ROAMING NETWORKS doo
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BEOGRAD

Serbia Railway Section Two Project Purchase Agreement

By

Huawei Technologies d.o.o. Beograd

And

Roaming Networks d.o.o.

Agreement No.: PPA3411SRB21070710116819

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1. Preamble

1.1 The Parties

Huawei Technologies d.o.o. Beograd, a company incorporated under the laws of Republic of Serbia and having its registered office located at Omladinskih Brigada 90D, Belgrade, Serbia (hereinafter referred to as the "Buyer").

Roaming Networks d.o.o., a company incorporated under the laws of Republic of Serbia, having its registered office at Oblakovska 51, Belgrade, Serbia, **leading the consortium with Roaming Smart Solutions d.o.o,** a company incorporated under the laws of Republic of Serbia, having its registered office at Juzni bulevar 10, Belgrade, Serbia (hereinafter jointly referred to as "Supplier"Supplier).

Buyerand SupplierSupplier may be collectively referred to as "Parties" or individually as "Party" where the context so requires.

1.2 Effective Date

This Project Purchase Agreement ("PPA") is entered into effect on the date ("Effective Date") when it is signed by the parties hereto.

1.3 Whereas

A. Buyer and Supplier have entered into the Master Purchase Agreement (Agreement No.: MPA3411SRB20120110064467"MPA");

B. The Parties desire to clarify the special rights and obligations under the aforementioned project on the basis of the MPA.

NOW, THEREFORE, in consideration of the mutual premises and covenants, the Parties agree as follows: generally, the contents agreed in this Contract shall not be adjusted. During the execution of this Contract, if the Buyer needs to adjust the specification, quantity, delivery place and delivery time of the contract equipment according to actual needs, it has to issue a written notice of change to the Supplier 30 days in advance according to the progress of the project, and the change is implemented after the Parties sign written supplementary agreement through negotiation.

Regardless of whether there is a contrary or similar agreement in this Contract, during the performance of this Contract, if it is necessary to change this Contract, the Parties shall enter into a written agreement.

The contract amount should not be changed if the project design is not changed. If Serbia Railway and CRSC agrees to the change request raised by the Supplier due to the design change, Buyer and Supplier shall negotiate and settle the change request raised by the Supplier.

1.4 Contact

1.4.1The Supplier shall set up a representative, responsible for the business coordination of contract equipment production, supply, quality inspection, handover, commissioning, technical services (including after-sales service) and other links, and for the Contact with the Buyer and other relevant units, and within 10 days of the entry into effect of this Contract, provide the Buyer with the title and authorization of the Supplier's representative in writing.

1.4.2 The Buyer shall be notified of the change or cancellation of the Supplier's representative in

writing. The Buyer shall have the right to request the replacement of personnel based on the working conditions of the Supplier's representative. The Supplier shall re-appoint the above personnel as soon as possible according to the requirements of Article 1.4.1 and the original Supplier's representative shall continue to assume its responsibilities under Article 1.4.1.

1.4.3 The Buyer shall supervise and inspect the Supplier's performance of this Contract.

2. Contract price and payment

2.1 Payment of equipment

2.1.1 Advance payment: after the buyer receives the advance payment from CRSC, The buyer accepts the invoices from the supplier, and the Buyer pays the Supplier [15%] of the contract equipment price immediately.

2.1.2 Delivery payment: The Buyer pays the Supplier [85%] of the contract equipment price immediately after all equipment hereunder arrives at the Buyer's designated warehouse and after the equipment are inspected and approved and the Buyer receives the goods arrival payment from CRSC and the Supplier submits the following documents,

(1) The commercial invoice and payment application of the delivered and unsettled materials;

(2) The acceptance certificate (Goods arrival) issued by or approved by the Buyer;

(3) The packing list signed by the Buyer;

Upon receipt of the documents listed above, the Buyer shall review the authenticity and accuracy of the documents in accordance with the terms of this Contract as the basis for payment.

The equipment should be inspected and approved within 14 days after it arrives at the Buyer's designated warehouse if it meets the requirement.

2.2 Payment of works

2.2.1 Advance payment: after the Buyer receive the advance payment from CRSC, The buyer accepts the invoices from the Supplier, and the Buyer pays the Supplier [15%] of the works price immediately upon Contract signage and issuance of Advance payment invoice.

2.2.2 works payment: Upon the arrival (after passing the acceptance), installation and commissioning of all contract equipment and the acceptance (PAC), the Supplier applies to the Buyer for payment based on the acceptance documents and the payment application, and after the Buyer receives the above documents and verifies them as correct, the Buyer pays the Supplier [80%] of the contract works price after the Buyer receives the corresponding payment from CRSC.

2.2.3 Project delivery: After this Project is formally delivered to the Owner (FAC), the Supplier applies for payment based on the acceptance records, relevant test reports and the payment application after the Buyer receives the above documents and verifies them as correct, the Buyer pays the Supplier [5%] of the contract works price after the Buyer receives the corresponding payment from CRSC.

2.2.4 Both sides agree the Buyer is entitled to use the payable to the supplier in other projects as the guarantee for the advance payment to the supplier. The buyer has the right to deduct the payment of other projects the buyer should pay to the supplier in the case that the buyer fails to fulfill its contract duty.

2.2.5 The price is agreed in USD and the Invoicing and payment currency shall be RSD and the exchange rate is accordance with the USD/RSD middle exchange rate of the National bank of Serbia on the one valid day before the invoicing date.

3. Supervision and pre-delivery inspection

3.1 Supervision:

If the owner or CRSC requires on-site manufacturing supervision, the Buyer shall notify the Supplier in writing 5 working days in advance, and the Supplier shall organize the execution. The cost inside Serbia should be borne by the Supplier and the cost outside of Serbia should be borne by the Buyer.

3.2 Pre-delivery inspection

Prior to the issuance of any delivery note to buyer the Supplier shall be obliged to submit, 14 days in advance, all documents necessary to certify that the shipped goods comply with all technical and quality standards set forth herein and in the technical documents; the Buyer shall be entitled to participate in the pre-delivery inspection.

Before delivery, the Supplier shall make a comprehensive and detailed inspection over the quality, specifications, performance, quantity and weight of the equipment as required by this Contract, and shall issue a certificate of inspection certifying the conformity of the equipment to the regulations, which shall not be used as the final inspection conclusion on the quality, specification, quantity or weight, nor as evidence against the Buyer's objection to the quality, specification, quantity or weight of the product. The results and detail documents of the Supplier's inspection shall be attached to the certificate of inspection.

4. Equipment packaging, marking, transportation and delivery

4.1 Equipment packaging

In order to facilitate the management of the Buyer's materials in and out of the warehouse, the contract equipment must be identified in accordance with packing requirements of the equipment. The packaging, marking and certificates of the contract equipment must comply with the public transportation requirements of goods and the implementation requirements of projects stipulated by the laws and regulations of the Republic of Serbia, strictly abide by the relevant national regulations and meet the reasonable requirements of the Buyer.

The Supplier shall be responsible for the repair, replacement or compensation in the event of damage or loss of the contract equipment due to improper packaging or inadequate precautions taken. In the event of the delay of the contract equipment delivery the Supplier shall be liable for the delay penalty

4.2 Equipment transportation and trade terms

The risk of damage and loss during the transportation of the contract equipment before delivery shall be borne by the Supplier and the Supplier shall handle the claims with the carrier and the insurer; after the contract equipment is delivered to the Buyer, the risk of damage and loss of the related equipment shall be transferred from the Supplier to the Buyer, and the time of delivery is subject to the Buyer's signing of the logistics document.

The Supplier shall organize the supply according to this Contract, adopt the trade term DDP Serbia, and the contract equipment shall be delivered to the place of delivery before the required time.

4.3 Equipment delivery

The Supplier shall investigate the environmental conditions of on-site use of the equipment to make it meet the use requirements of the equipment. The Supplier shall deliver the contract equipment to Buyer's designated warehouse according to the time and batch of delivery agreed herein, and it shall be deemed that

the Supplier has completed the equipment delivery obligation.

5. Unpacking inspection, Commissioning, assessment and acceptance

5.1 Unpacking inspection

5.1.1 The unpacking inspection procedures of the contract equipment are as follows:

(1) Arrival inspection;

(2) Unpacking inspection.

5.1.2 Arrival inspection (the Buyer's designated warehouse)

After the contract equipment and technical documents are delivered to the Buyer's warehouse by the Supplier, the Parties shall jointly inspect them according to the following requirements:

(1) The technical documents required to be submitted in Article 17 "technical documents" of the special contract terms are complete;

(2) The requirements of the annex "Packing Requirements of the Equipment" and supply requirements are met;

(3) The appearance is good; and

(4) The number, quantity and name shall be verified as correct with the list of goods notified by the Supplier to the Buyer before shipment.

Prior to the arrival inspection, if the delivery is delayed due to the equipment shortage, equipment damage or other non-conforming circumstances caused by the Supplier, the Buyer shall have the right to claim against the Supplier for the loss caused thereby.

Upon the arrival inspection, the Parties shall keep a good record of arrival inspection and sign it by authorized representatives of the Parties.

5.1.3 Unpacking inspection (construction site)

The Buyer shall carry out unpacking inspection upon the arrival of the goods at the construction site. The unpacking inspection shall be carried out jointly by Buyer and Supplier immediately after the arrival on the construction site and it shall be confirmed in written form.

Unpacking inspection contents include:

(1) Checking the integrity of the sealed package;

(2) Checking and verifying whether the quantity and model of the packed goods are consistent with the shipping list;

(3) Checking whether the number, quantity and name of the packed goods are consistent with the list of goods specified herein;

(4) Inspecting whether the serial number meets the requirements of packing list and

(5) Other contents that site personnel can inspect according to the supply requirements.

Relevant problems found during unpacking inspection shall be handled by the Supplier for replenishment and replacement. The equipment subject to replenishment and replacement must meet the requirements of the relevant contract.

5.3 The risk of damage and loss during the Unpacking inspection shall be borne by the Supplier; after Unpacking inspection is done, the risk of damage and loss of the related equipment shall be transferred from the Supplier to the Buyer.

5.2 Commissioning

5.2.1 The Supplier provides commissioning and other related technical services.

5.2.2 According to the implementation needs of this Project, as requested by the Buyer, the Supplier shall be responsible for inspecting and testing the indicators and functions of the equipment, and assist the Buyer to complete the commissioning and acceptance work before this Project started to run and operate. Such work includes but is not limited to the following items:

5.2.3 System Commissioning

(1) Check before power-on

Before power on the equipment, supplier shall check carefully the power supply and network cable connection.

(2)Parameter configuration of system

Local data configuration; interface data configuration; system message data configuration.

(3) System Commissioning

Basic performance testing: Check the running status of the single board, transmission channel status, equipment object attributes and CPU occupancy rate, and set clock delay, reset, alarm, etc.

Equipment control and Commissioning: Carry out single board self-inspection, link loop back test, main and standby switch test, etc.

5.2.4 System function test

(1) Site function test

The site function test includes the point-to-point data transmission of the equipment in the station, and the data exchange between equipment.

5.2.5 During commissioning, trial and testing, the Supplier shall use the instruments that are qualified within the verification validity period.

5.2.6 Before the on-site commissioning, the Supplier shall timely provide the commissioning plan, commissioning method and commissioning requirements report to the Buyer, and conduct commissioning only after the Buyer agrees.

5.2.7 During commissioning, the Supplier shall submit a report to the Buyer, which shall include such contents as progress, accident, existing adverse factors, possible delay and suggestions for remedial measures. In case of emergency, the Supplier shall notify the Buyer at any time.

5.2.8 The Supplier shall provide the proposed scheme, test content, method, standard and time required for the test for each stage of the commissioning.

5.2.9 If the commissioning work plan is adversely affected or the quality control scheme, safety rules and the security of public order on site are affected due to the wrong actions of the commissioning team of the Supplier, the Buyer shall have the right to intervene or order the commissioning to be suspended, and the Supplier shall bear the liabilities arising therefrom.

5.2.10 In the process of installation and commissioning, if the performance index and function of the contract equipment fail to meet the supply requirements due to the reasons of the Supplier, the Supplier shall bear the responsibility. The Buyer is entitled to claim against the Supplier for the loss caused thereby.

5.2.11 the qualified installation and commissioning shall not exempt the Supplier from the main responsibility for the quality and safety of the contract equipment before the expiration of the quality assurance period.

5.3 Acceptance

5.3.1 The acceptance inspection mentioned in this Article refers to the inspection and confirmation of the quantity, specification and quality of the equipment hereunder.

5.3.2 The Buyer shall have the right to submit the checked and accepted equipment to the certification department for inspection. If any inspected or tested contract equipment fails to meet the requirements of the technical specifications, the Supplier shall timely replace it, or repair the defects free of charge according to the requirements of the Buyer to meet the requirements of the technical specifications, and bear the inspection fee.

5.3.3 The Buyer shall inspect and test it after the contract equipment arrives at the final using location. If any quality problems are found, the Buyer has the right to require the Supplier to replace the equipment with the equipment that meets the contract requirements until it passes the inspection, test and recognized by the Buyer or its representative again.

6. Technical services

6.1 Basic requirements

6.1.1 The technical services and support shall be available for the whole life cycle of the contract equipment, including but not limited to design Contact, ex-factory inspection, packaging, transportation, insurance, installation supervision, commissioning, training, test, trial operation and maintenance of the contract equipment.

6.1.2 The technical service personnel provided by the Supplier shall be relatively fixed. During the whole project installation, decommissioning, trial operation and quality assurance period, the Supplier shall not replace the technical service personnel without the consent of the Buyer.

6.1.3 The technical service personnel shall, during the technical service period, provide the Buyer's technical and managerial personnel with detailed explanations of the technical material in Serbian and English, perform necessary demonstrations and be available to answer technical questions from the Buyer's personnel. The training plan shall contain all necessary written documents. The documents shall be prepared in Serbian and English.

6.1.4 The Supplier shall be obliged to provide samples and data as requested by the Buyer, including but not limited to, production standard samples, samples specified herein and additional samples required to be submitted due to changes in this Contract. All samples shall be accompanied by a label indicating the place of origin and the part planned to be applied in this Project.

6.1.5 Within 15 years of the delivery of equipment and within 5 years of the expiration of the quality assurance period, the Supplier shall provide the Buyer with the technical services and technical support required for the normal operation of the equipment at a unit price not higher than the technical service unit price during the quality assurance period.

6.2 Design contact

After the signing of this Contract, the Buyer shall have the right to request the convening of the engineering design contact meeting, and determine the relevant matters of each engineering design contact meeting in advance according to the progress of the engineering.

6.3 Engineering design technical support

6.3.1 The Supplier shall provide technical support to the Buyer in the whole process of engineering design and ensure the smooth progress of engineering design.

6.3.2 When the Buyer needs to expand and adjust the equipment provided by the Supplier in the engineering design, the Supplier shall assist in changing the quantity of equipment and propose suggestions or plans on equipment configuration and interface between the equipment.

6.3.3 In the process of engineering design, the Buyer may provide technical consultation on equipment and system performance to the Supplier at any time, and the Supplier shall be responsible for providing timely answers and technical data required by engineering design.

6.3.4 No additional engineering and works price shall be charged for engineering design technical support.

6.4 Installation technical supervision

6.4.1 The Supplier shall provide technical services for equipment installation supervision and hardware and software equipment commissioning, and conduct on-site training.

6.4.2 The Supplier shall be also responsible for the whole supervision over the equipment and the systems to be installed, and confirm the installation quality.

6.5 Technical services during the quality assurance period

6.5.1 Remote support services

The Supplier shall provide remote support services to the Buyer, and the service hotline shall provide 5×8 hours of services, including but not limited to: general system consultation, product consultation, hardware consultation, software consultation, data consultation and data acquisition.

6.5.2 Warranty services

In case of fault of the contract equipment during the quality assurance period, if the Supplier is required in general to repair and return the faulty parts within one month from the date the supplier is noticed. If supplier need more than one month to repair and return the faulty parts, supplier should notify the buyer within one week after supplier receives the notice from the Owner and the repair and return period in general should not be over 2 month.

6.5.3 Technical Services support during quality assurance period

6.5.3.1 In case of problems caused by equipment during the quality assurance period of the equipment provided by the Supplier, the Supplier shall timely provide the technical and other support required for maintenance support to the Buyer and the end user free of charge.

6.5.3.2 The Supplier shall provide special equipment, tools and instruments (if any) for equipment repairs that are actually required by the project.

6.5.4 Partial modification of equipment hardware and software

6.5.4.1 During project implementation and quality assurance period, any equipment modification and software replacement caused by the Supplier shall be replaced or modified free of charge by the Supplier.

6.5.4.2 Due to impromptu project needs, the Supplier shall actively cooperate in the transition engineering and temporary engineering in the supply of equipment, and be responsible for the modification of relevant equipment and the compilation of transition and temporary software, so as to ensure the smooth progress of the project without additional costs.

6.5.4.3 When other systems connected to the contract equipment are not activated synchronously with the contract equipment, the Supplier shall send technicians to cooperate with each activation.

6.5.5 Software version

6.5.5.1 The software provided by the Supplier shall be the latest mature version. During the quality assurance period, if the Supplier shall provide the software patches if there are new patches published by the manufacturer if there are software errors.

6.5.5.2 During the software upgrade, the equipment software and network management software shall be online and smoothly upgraded. If the upgrade fails to achieve the expected purpose, the Supplier shall restore the pre-upgrade software version and its corresponding database for free.

6.6 Training

6.6.1 Training objects

6.6.1.1 The Supplier shall provide good technical training venue and conditions for the engineering and technical personnel, construction and installation personnel, maintenance and management personnel and operating and operating personnel of the Buyer and the end-user, so that they can be competent in the installation, commissioning, maintenance of the equipment, handling of hardware and software faults and mastering the operation and use of the equipment.

6.6.2 Training methods

The Supplier shall arrange fully qualified personnel to conduct training for the Owner's personnel in accordance with the Buyer's requirements. The training shall be conducted in Serbian (or in English with the written consent of the Owner and CRSC).

6.6.2.1 Training method is on-site training in Serbia.

6.6.2.2 On-site training of operation and maintenance personnel shall be conducted at such places as communication station prior to system commissioning, including normal operation procedures and how to deal with emergencies.

6.6.3 Training contents

6.6.3.1 System

(1) Establishing an overall concept of the equipment according to the training manual;

(2)Understanding and mastering the basic concept, composition, principle, characteristics and functions of the system;

(3) Understanding and mastering the configurations, lightning protection and grounding of the system's working power;

(4) Understanding and mastering the interface with other relevant systems; and

(5) Understanding and mastering the system network management measures.

6.6.3.2 Hardware

(1) Hardware framework, composition and name of the system;

(2) Panel display description and significance of the panel of each hardware unit;

(3) Connection wiring of each hardware unit;

(4) Power supply of the system and each hardware unit;

(5) Functional schematic diagram, input and output signals and relevant technical parameters of each hardware unit of the system; and

(6) Connection with physical and logical interfaces of other relevant systems; software setup and reinstallation when hardware (general purpose equipment) is updated.

6.6.3.3 Software

(1) Function description;

(2) Connection between the functional modules of the software;

(3) Block diagram of system information processing system within the permission of IPR (including collection and transmission of interface information with other subsystems);

(4) Self-inspection period, time, content and process of the system and each hardware unit;

(5) Detailed description of fault alarm information, including the specific meaning, possible fault sources and corresponding repair measures;

(6) Description in detail of the role of each hardware unit in the realization of the function according to the function.

6.6.3.4 Maintenance

(1) Maintenance standards and technical parameters of each component;

(2) Basic operations and related precautions of maintenance;

(3) Standard system maintenance tools;

(4) Maintenance mode and maintenance cycle available for reference;

(6) Safety requirements for maintenance and operation procedures under normal and emergency power supply conditions; and

(7) Special devices, tools and equipment used during maintenance.

Security System management

(1) Identification, analysis and elimination of various faults; and

(2) Use and maintenance of Security System management.

6.6.3.6 Operation and use

(1) Principles and operation and use methods of various operation and maintenance terminals; and

(2) Principles and operation and use methods of various monitoring terminals.

6.6.4 Training, teaching materials and equipment

6.6.4.1 The Supplier shall provide the detailed training plan and teaching materials, and the training plan shall include the following parts:

(1) Where the Supplier shall have the training ability, including but not limited to the qualifications and experience of the trainers;

(2) Details of the course, including duration, maximum number of trainees, ratio of trainees to trainers, required or available facilities and prerequisites for attending the course; and

(3) Proposed additional training or alternative program measures to achieve the Buyer's training objectives.

The training plan shall contain all necessary written documents. The documents shall be prepared in Serbian and English.

6.6.4.2 The main work completed, work progress, problems or accidents occurred and solutions during the technical training each day shall be recorded in the form of work log and signed by the Parties. The work log shall be made in duplicate, with each party holding one copy.

6.6.4.3 The Supplier shall submit the training plan to the Buyer for confirmation, and the implementation time frame of the training plan shall ensure that the trainees can receive complete and comprehensive training before the date of power transmission operation of the contract equipment.

6.6.4.4 The Supplier shall provide complete training materials to the trainees in Serbian.

7. Quality assurance period

7.1 The quality assurance period of the contract equipment shall be 5 years from the date of PAC. If the design documents and technical specifications call for a longer period than this quality assurance period, the former shall prevail.

7.2 During the quality assurance period, if the contract equipment is repaired due to quality problems of the Supplier, the quality assurance period of the contract equipment after repair shall be extended according to the time when the contract equipment cannot be normally used. If the contract equipment is replaced due to quality problems of the Supplier, the quality assurance period of the equipment after the replacement shall be recalculated from the replacement.

8. Quality assurance period services

8.1 Quality assurance services

8.1.1During the quality assurance period, the Supplier shall provide quality assurance services in accordance with the technical services, the Owner's requirements and supply requirements stipulated in contract terms, and shall list in detail the quality assurance service items, and the Buyer shall not pay additional fees for them. For the services provided outside the quality assurance period but within the service life, the contents and fees of the services shall be negotiated by the Supplier and the Buyer, and a supplementary agreement shall be signed separately.

8.1.2 The Supplier shall confirm to the Buyer the receipt of Buyer's notice within 24 hours after receiving the Buyer's notice.

8.1.3 During the quality assurance period, for the contract equipment quality problem caused by the Supplier, if the Supplier fails to solve the problem within the reasonable time limit agreed by the Parties, or fails to take corresponding measures within 30 days of the receipt of the Buyer's notice, the Buyer may solve

the problem by itself after notifying the Supplier, and the costs and risks incurred thereby shall be borne by the Supplier, but it does not affect the Supplier's responsibilities stipulated herein; upon the Supplier's approval, the Buyer may repair or adjust minor defects, but all costs incurred thereby shall be borne by the Supplier. If the Supplier fails to reply within 3 days of the receipt of the Buyer's notice, the Supplier shall be deemed to have accepted.

8.1.4 During the quality assurance period, for the equipment quality problem caused by the Supplier, the Supplier shall repair the equipment with quality problems or replace it with new equipment conforming to the provisions hereof, and all costs and risks arising therefrom shall be borne by the Supplier.

During the quality assurance period, for the equipment quality problem caused by the Owner as in case of mechanical damage of equipment, inadequate use, damage caused by connecting to an inadequate voltage, damage due to voltage variations, use at temperatures outside the range given in the technical documentation, the Supplier is not responsible for damage of the equipment and replacement work and equipment will be charged to Buyer.

8.1.5 During the quality assurance period, for the equipment which fails to meet the standards specified herein after the repair or replacement, the Buyer shall return the goods to the Supplier and the Supplier shall return the payment to the Buyer, and all costs and risks arising therefrom shall be borne by the Supplier.

8.1.6 The Supplier shall establish a product recall system and carry out product recall for repair and replacement. In case of quality problems of the same batch, model or category of products (including the inventory and in-use products) delivered due to design, manufacturing, identification and other reasons, which are discovered by the Supplier itself or through the feedback received from the Buyer, the Supplier shall take the initiative to carry out recall for repair and replacement, and bear all costs and risks arising therefrom.

8.1.7 During the quality assurance period, the Supplier shall implement the following provisions for the contract equipment provided by it:

(1) Participating in the fault analysis and positioning conducted by the Owner

(2) Checking and eliminating faults;

(3) Undertaking to replace the abnormal parts that fail to meet the requirements of the technical requirements or design documents;

(4) Carrying out investigation and research for abnormal problems which are repeatedly appeared or of which the consequences have an impact on safety. The research results may result in minor or major modifications to meet requirements;

(5) Recording faults, and rectification measures, so as to understand the status of the system at any time.

8.1.8 During the quality assurance period, the Supplier's obligations include the investigation and research, repair and return of defective parts.

8.1.9 If there is any requirement on the construction technology due to the equipment, the Supplier shall indicate it in the installation instructions. In case of failure to indicate it, the Supplier shall be deemed to recognize the construction technology.

8.1.10 if there is any requirement for maintaining the contract equipment, the Supplier shall notify the buyer in written form. In case of failure to indicate it, the Supplier shall be deemed to recognize the maintenance plan of the operation and maintenance team.

9. Guarantee

9.1 The Supplier guarantees that its sales of the equipment will not damage the legitimate rights

and interests of any third party and the interests of the public. No third party shall, for reasons of Supplier, claim any right to the contract equipment based on title, mortgage, lien or any other right or cause. If the Buyer is sued by a third party for infringement of patent, trademark, or industrial design rights arising from use of the technical documentation and/or Equipment, the Supplier shall, with the assistance of the Buyer, settle the lawsuit with the third party at its own cost and compensate the Buyer for any costs and losses suffered therefrom.

9.2 The Supplier shall be liable for any defects of the equipment caused by problems of technology or materials

9.3 The Supplier guarantees that it will be liable for any defects of the contract equipment caused by manufacturing and reasons before delivery to the Buyer. Upon receipt of the Buyer's written notice regarding defects of the contract equipment, the Supplier guarantees that it will promptly repair the defects or replace the defective equipment, and the Buyer will not be liable for the expenses caused thereby.

9.5 The Supplier shall guarantee the compatibility and applicability of the contract equipment in the construction project. In case of any change of equipment parts caused by the interface of the equipment or mismatch with the project site, the Supplier shall modify or replace the equipment without charge.

9.6 The Supplier shall guarantee that the license and certification related to the contract equipment shall remain valid during the contract period.

10. Confidentiality

10.1 Without the Buyer's written consent, the Supplier shall not provide the relevant contract or any contract terms, technical documents, plans, drawings, models, samples or materials provided by or on behalf of Buyer to any third party independent of the performance of this Contract. Even if provided to persons in connection with the performance of this Contract, it shall keep them confidential and limited to the extent necessary for the performance of this Contract.

10.2 Without the written consent of the Buyer, the Supplier shall not use any of the documents and materials listed in Article 10.1 hereof except for the performance of this Contract.

10.3 Except for this Contract itself, any documents listed in Article 10.1 hereof are the property of the Buyer. If requested by the Buyer, the Supplier shall return the above-mentioned documents and all copies of them to the Buyer upon completion of this Contract, and destroy or delete those that cannot be returned.

11. Liability for breach of contract

11.1 During the term of validity of this Contract, if the Supplier is unable to deliver the goods and provide services on time during the performance of this Contract, it shall timely notify the Buyer in writing of the fact of delay, possible delay and reasons. Upon receipt of the Supplier's notice, the Buyer shall evaluate the situation.

11.2 Unless the special contract terms are agreed by both parties, if the Supplier fails to deliver goods and provide services in accordance with the time agreed herein (Annex 2.), without prejudice to the Buyer's exercise of other remedial measures hereunder, the Buyer has the right to deduct the compensation for delay from the payment payable. Compensation for each week of delay shall be deducted at the rate of two percents (2%) of the part of the PO which is late until the delivery of goods. The maximum amount of compensation for delay shall be ten percents (10%) of the total contract price. The Buyer may consider terminating this Contract in accordance with Article 12 hereof once the maximum amount of compensation for delay is reached, upon failed of negotiations and reaching an agreement between Parties.

11.3 If the Buyer shall pay the contract price as agreed herein, but fails to pay the contract price in time, it shall negotiate with the Supplier and reach an agreement. In case of negotiation and reaching agreement failure, Supplier may consider terminating this Contract in accordance with Article 12 hereof.

11.4 The claim shall be deemed valid as long as the Buyer's notice of claim is filed no later than 30 days after the expiration of the quality assurance period, but it does not exclude the Buyer from claiming an interest in accordance with the provisions of law 30 days after the expiration of the quality assurance period.

11.5 If the Supplier fails to reply within 20 days of the receipt of the Buyer's notice of claim, the claim shall be deemed to have been accepted by the Supplier.

11.6 If the Supplier fails to eliminate the quality defect within the agreed time according to Article 6.5.2 of the contract terms, the Buyer may take measures to eliminate the quality defect at the Supplier's own cost.

11.7 The Supplier shall be liable for any loss of property or person of the Buyer or any third party caused by quality problems of the contract equipment supplied by the Supplier, and the Buyer shall have the right to claim other liabilities against the Supplier in accordance with relevant laws and regulations

11.8 Except for fraud, intentional or gross negligence, neither party shall require the other party to bear any indirect losses arising from the breach of contract, including but not limited to loss of profit, loss of reputation, etc.

12. Termination of contract

Without prejudice to any remedial measures taken by the Buyer against any of the following breaches by the Supplier, after friendly negotiation by the Parties, the Buyer may give the Supplier a written notice of breach to terminate part or all of this Contract:

(1) Where the Supplier delays delivery of the contract equipment for more than 2 months;

(2) Where the contract equipment provided by the Supplier has quality problems and is not repaired or replaced within the time agreed with the Buyer, or fails to meet the quality requirements after repeated repair or replacement;

(3) Where the contract equipment provided by the Supplier is prohibited from being used or forced to be recalled by the relevant department of the place where the equipment is used, except for force majeure; or

(4) Where the Buyer has sufficient evidence to prove that the Supplier has engaged in corruption practice and fraud practice in the competition and implementation of this Contract, it shall fall under the following defined conditions:

1) "Corrupt practice" means the act of providing, giving, accepting or soliciting any goods of value to influence the conduct of the Buyer in the execution of this Contract; and

2) "Fraudulent practice" refers to the act of falsifying, lying or concealing the facts to harm the interests of the Buyer in order to affect the procurement process or the implementation process of this Contract.

Without prejudice to any remedial measures taken by the Supplier against any of the following breaches by the Buyer, after friendly negotiation by the Parties, the Supplier may give the Buyer a written notice of breach to terminate part or all of this Contract:

(1) Where the Buyer delays due payment;

(2) In accordance with Article 11.3; or

(2) Where the Supplier has sufficient evidence to prove that the Buyer has engaged in corruption practice and fraud practice as defined herein in the competition and implementation of this Contract.

13. Force majeure

13.1 If either party is affected by any unforeseen, unavoidable and insurmountable force majeure event, such as war, serious fire, typhoon, earthquake, flood, pandemic, and is unable to perform any of its obligations hereunder, the affected party shall immediately notify the other party of the occurrence of such

event, and shall, within 28 days of the occurrence of the force majeure event, submit supporting documents issued by relevant authorities or agencies to the other party.

13.2 The affected party shall not be liable for the delay or failure to perform any contractual obligation caused by the force majeure event. However, the party shall notify the other party of the end or elimination of the force majeure event as soon as possible.

13.3 The Parties shall continue to perform their contractual obligations hereunder immediately after the force majeure event ends or its effects are eliminated, and the term of this Contract shall be extended accordingly. Unless otherwise agreed in the special contract terms, either party shall have the right to terminate this Contract by written notice if the effects of the force majeure event last for more than 140 days.

13.4 The Covid 19 is general excluded from Force majeure unless any public authority issues order or regulation which are generally or individually binding, and which cause the suppler not capable of fulfilling its contract duty.

14. Dispute resolution

14.1 This Contract shall be governed by the laws of Republic of Serbia. Any dispute arising from or in connection with this Contract shall be settled by the Parties through friendly negotiation.

14.2 During the settlement of the dispute, the Parties shall continue performing those parts of the contract not involved in the dispute.

15. Standards and applicability

15.1 The services delivered hereunder shall comply with the standards stated in the Supply Requirements. If applicable standards are not mentioned, they shall be in accordance with the law on planning and construction, the law on railway safety and interoperability and other relevant laws of the Republic of Serbia. Mandatory requirements of some structural subsystems specified by TSI shall be fulfilled. Other engineering shall comply with Serbian laws, regulations, standards and codes.

15.2 Unless otherwise specified in the Supply Requirements, the units of measurement shall be the legal units of measurement of the People's Republic of China.

16. Technical data

16.1 Basic requirements

16.1.1 The Supplier shall provide the Buyer with technical documents, manuals and as-build drawings in accordance with this Contract. Where the technical documents are necessary for the performance of this Contract but not stipulated in this Contract and can only be provided by the Supplier, the Supplier shall provide them free of charge to the Buyer within 7 days after receiving the written notice from the Buyer and confirming that it can provide them.

16.1.2 The technical documents provided by the Supplier shall be correctly edited, reasonably organized, substantial in content, and easy to understand, describing in detail the performance, principle,

structure and size of the contract equipment, and including the model, specification and technical data of the parts to ensure that the Buyer can correctly install, operate, inspect, repair, maintain, test, debug and use the contract equipment.

16.1.3 The key technical documents, manuals and drawings provided by the Supplier shall be made in English and Serbian, and in the event of any discrepancies between the versions, the English version shall prevail. And the uniform code structure confirmed by the Buyer shall be adopted. For the original text of the documents made in English and the products produced by foreign suppliers in foreign countries, the English version of the documents shall be provided at the same time. Documents, drawings and product nameplates shall be clearly written and complete in content, using SI (International System of Units) units, general graphics and symbols. The drawings shall conform to the ISO standard metric "A" series.

16.1.4 All technical documents shall be submitted to the Buyer for confirmation. The Buyer's confirmation of the technical documents shall not relieve or release the Supplier from its contractual liability.

16.1.5 The Supplier shall be liable for compensating any damages to the system and/or equipment and/or its components caused by installation, operation, inspection and repair, maintenance, testing, adjustment and use by the Buyer as directed by the technical documents.

16.1.6 The cost of the technical documents specified herein has been included in the contract price.

16.1.7 For the purpose of equipment maintenance and management, the Buyer shall have the right to copy the documents and materials provided by the Supplier.

17.2 Technical documents

17.2.1 The technical documents provided by the Supplier shall include but be not limited to the following.

17.2.1.1 After this Contract comes into force, the technical documents provided by the Supplier shall include:

(1) System overview;

(2) Technical manual (size, function, performance, main technical parameters and other technical specifications);

(3) Installation and operation manual;

(4) Maintenance manual;

(5) Fault diagnosis manual;

(6) Monitoring interface and communication protocol.

17.2.1.2 Before the contract equipment arrives, the Supplier shall provide the following technical documents:

(1) Datasheet;

(2) Packing list;

(3) User Manual

(4) Maintenance and operation Manual

(5) Factory Test Report

(6)CE certification

17.2.1.3Before acceptance of the contract equipment, the technical documents provided by the Supplier shall include but are not limited to:

(1) Product qualification certificate;

(2) System overview;

(3) Technical manual (appearance size, function, performance, main technical parameters, and other technical specifications);

(4) Installation and operation manual;

(5) Operation manual and instruction manual;

(6) Maintenance manual;

(7) Fault diagnosis manual;

(8) Drawings (schematic diagram, circuit diagram, assembly diagram, installation diagram, rack panel diagram, system diagram, and network management screenshot);

(9) Records and statistical tables of test results of various commissioning tests;

(10) Service port configuration table and slot allocation table;

(11) Records of subsystem test;

(12) Records of equipment defect treatment;

(13) List of spare parts;

(14) Records of failure assessment; and

(15) Records of equipment and material replacement, and records of inspection list of remaining equipment and materials.

17.2.2 Where the Supplier is the agent, in addition to meeting the requirements in Article 17.2.1, the Supplier shall provide necessary proof of legality upon the arrival of the contract equipment, including but not limited to the authorization document issued by the manufacturer, the purchase and sales contract between the agent and the manufacturer, and the supplier's supply or delivery document.

17.2.3 Where the products supplied by the Supplier are imported products, in addition to meeting the requirements in Articles 17.2.1 and 17.2.2, the Supplier shall provide necessary import materials such as customs declaration form, certificate of origin, commodity inspection and packing list upon the arrival of the contract equipment.

17.2.4 The Supplier shall provide the electronic documents of the technical documents in Article 17.2.1 as requested by the Buyer.

17.3 Test report

(1) Type test report;

(2) Routine test report; and

(3) Factory test report.

17.4 Instruction

17.4.1 Instruction shall include but be not limited to the following items: Model, structure size, technical parameters, applicable scope, applicable environment, installation, maintenance, transportation, storage and other matters needing attention.

18 Definitions

The following terminologies are listed according alphabetical order of the initial letters. Unless specially defined in this clause, the terminologies used in this PPA shall have the same meanings as defined in the MPA.

"Acceptance Tests" means the necessary testing of the operability of the Equipment and the Works as specified in the Contract or otherwise agreed by the Buyer and the SupplierSupplier and which is to be performed before the Equipment and Works for each site are taken over by the Buyer and the relevant Certificates are issued (PAC and FAC).

"Confidential Information" shall mean all information, data, know-how, whether it is technical in nature or not, which is disclosed to the other party, and which is related to research, technology, design,

Equipment and business activities or strategies of the proprietor, which is either marked or stated to be confidential, or is by its nature and/or its name reasonably intended to be confidential.

"Contract" shall mean the present Contract signed by the Buyer and the Supplier, any Annex attached hereto and any valid amendment.

"Contract Price" or "Price" shall mean the sum specified in Appendix, and include adjustments in accordance with the Contract.

"Day" shall mean a calendar day except if it is differently defined herein.

"USD" shall mean the legal currency of the United State of America.

"RSD" shall mean the legal currency of the Republic of Serbia.

"Parties" shall mean the Buyer and the Supplier collectively, and **"Party"** shall mean either the Buyer or the Supplier as the context dictates.

"Parties' Representatives" shall mean the person or persons who is duly authorized by one of the Parties in writing to act on its behalf.

"Provisional Acceptance Certificate (PAC)" means the certificate issued by the Buyer to the Supplier for the systems.

"Final Acceptance Certificate (FAC)" means the certificate issued by the Buyer to the Supplier for the whole section

"Services" shall mean the totality of the services to be provided under this Contract and covered by the Contract Price including but not limited to project documentation and technical support during Warranty period.

"Site" shall mean the area where the Equipment and the material are to be installed and put into operation

"Equipment" means the hardware, software and licenses defined in Preamble.

"Territory" for the purpose of this Contract, Territory shall mean Republic of Serbia.

"Taxes" shall mean any and all taxes, including but not limited to withholding taxes, tariffs, levies, duties, and imposts, or any similar tax-related charges or levies of whatsoever nature imposed, levied or assessed by any governmental authority within the Territory in accordance with present or future laws in the Territory.

"Works" means the execution of the installation, testing, integration and putting into operation of the Equipment.

"Owner" means Serbia Railway

"CRSC" means CRSC INTERNATIONAL CO., LTD. OGRANAK BEOGRAD.

19 Annex

Annex 1.Bill of Quotation

Annex 2.Delivery schedule of the systems

Annex 3. Packing Requirements of the Equipment

Annex 1.Bill of Quotation

1. The agreed contract amount is as listed in the bill of quotation and the actual payment amount shall be in accordance with the PO.
2. This purchase and supply are subject to the final drawing design document approved by the Owner.
3. The Supplier should provide the latest models of the system agreed by the Buyer.
4. The price should include all the cost and expenses regarding the scope and the Supplier should not require change of price unless Serbia railway and CRSC agrees to the change request raised by the supplier due to the design change.
5. All the necessary auxiliary materials cost should be included in the price and supplier should provide extra auxiliary materials without charging extra cost.
6. Remarks:

Note 1: The Supplier shall fully consider the expansion of the above-mentioned systems required for the interconnection of this project with the information system, and propose a plan for interconnection between this project and the above-mentioned systems; in order to ensure the expenses arising from the expansion of the system required for the activation of this project (including technical cooperation costs, data production costs, license and required boards) are included in the bid quotation, the Supplier shall not delay the supply of goods.

Note 2: The equipment provided by the Supplier shall comply with the requirements of relevant Serbian standards, regulations and specifications.

Note: 3: The list of goods demands can be used as the basis for the Supplier's quotation. The Supplier shall consider the variable factors in the engineering implementation process when quoting, and the total contract price will not be adjusted for the increase in the engineering amount.

Note 4: The quality assurance period is 5 years. During this period, the Supplier is also responsible for any consumption of spare parts caused by the Supplier. At the same time, the configuration of spare parts required by the system during the quality assurance period shall be calculated and configured in accordance with the technical service commitments, equipment configuration conditions, line length and operation and maintenance organization during the quality guarantee period to meet the requirements of operation default handling.

Note 5: The Supplier shall supply, integrate, commissioning, testing and verification of the Tetra System and support the interfacing with the Tetra core network if the interconnection with core network is ready.

Note 6: This list serves as the basis for the Supplier's quotation. The specific equipment and material quantities are subject to the quantities in the officially approved construction drawing. The Supplier shall be entitled to adjust the quantity and specifications of the equipment according to the construction drawing of the design unit. The specific equipment types, quantities and the configuration are subject to the construction drawing and the engineering requirements. Any changes involved shall be subject to negotiation by the Parties.

Note 7: The number of licenses for the security system shall meet the requirements of this project and the reservation requirements for the activation of the system. The software used in the Security system equipment of the communication subsystems shall be the genuine software with complete authorization. The hardware shall meet the requirements of this project, and shall not be lower than the latest configuration of the same model at the time of purchase of equipment. The network management server shall be equipped with dual power supplies, and the network management software interface shall be in Serbian and English.

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Note 8: The Supplier must provide the quotation for each type of equipment in accordance with the above table, and the Supplier shall quote the unit price and total price according to the list of goods demands.

Note 9: The Supplier shall provide required test instruments and tools (if any) for the system during commissioning, joint commissioning and joint testing, and trial operation.

Annex 2.Delivery schedule of the Equipment

No	System	Lead time Commitment(Days)
1	Common Communication work	PO+60
2	Voip-Material	PO+60
3	VIDEO SURVEILLANCE SYSTEM	PO+80
4	PUBLIC ADDRESS SYSTEM	PO+80
5	CLOCK SYSTEM	PO+80
6	INFORMATION DISPLAY SYSTEM	PO+210
7	ACCESS CONTROL SYSTEM	PO+80
8	BURGLAR SIGNALING SYSTEM	PO+80
9	AUTOMATIC FIRE DETECTION	PO+80
10	FIXED FIRE ALARM SYSTEM	PO+80
11	ENVIRONMENTAL MONITORING SYSTEM	PO+80
12	SOS SYSTEMS	PO+80
13	Two-way communication	PO+80
14	ALARM and TECHNICAL TELEPHONE SYSTEM	PO+80
15	Tunnel	PO+150
16	SECURITY SYSTEM INTEGRATION	PO+80
17	AVIS	PO+60
18	cabinet for tk	PO+60

Annex 3. Packing Requirements of the Equipment

The supplier should provide the packing list as below example and attach the packing information to the crates or box.

DETAILED PACKING LIST							
TO: CRSC INTERNATIONAL CO., LTD. OGRANAK BEOGRAD							
CONTRACT NO:							
PACKAGE NO.:							
SYSTEM :		**Common communication**					

CASE NO.	Br.	DESCRIPTION OF GOODS	Site	SIZE(MM)	QTY	UNIT	REMARK
1						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
						PCS	
TOTAL: 1 CASE							

Huawei Technologies d.o.o. Beograd (Seal)

Authorized representative's Name:

Signature:

Authorized representative's Title:

Date: 09-06-2021

Roaming Networks d.o.o. (Seal):

Authorized representative's Name: RADE VUKOVIĆ

Signature: R. Vukovic

Authorized representative's Title: General manager

Date: 16.09.2021.

Serbia Railway information system

1. Bidding Area Definition

Bidding Area Name	Bidding Area Description
B0	Serbia Railway information system

2. Payment Terms Definition

Payment Terms Name:P0

Payment Method: Telegraphic Transfer (T/T)
Prepayment and charge off: Fifteen Percent (15%) of PO amount will be prepayment. Prepayment will be invoiced after PO issued by Huawei. Payment shall be made within Huawei's shortest internal payment processing time after the date which invoice accepted by Huawei. The prepayment will be charged off at the time that Huawei pays the amount for the first acceptance milestone. If the first progress is not sufficient to charge off all prepayment, it will be deferred to the next acceptance milestone, till all the prepayment is completely charged off. Huawei serbia will pay roaming networks after Huawei receives the payment from customer.
Acceptance milestone and payment: There are 1 acceptance milestone. Acceptance payment 1: After Acceptance for the the systems, it is deemed the delivery progress reach One Hundred Percent (100%),Eighty-five Percent (85%) of PO amount shall be invoiced. Payment shall be made within Huawei's shortest internal payment processing time after the date which invoice accepted by Huawei. Huawei serbia will pay roaming networks after Huawei receives the payment from customer.

Payment Terms Name:P1

Payment Method: Telegraphic Transfer (T/T)
Prepayment and charge off: Fifteen Percent (15%) of PO amount will be prepayment. Prepayment will be invoiced after PO issued by Huawei. Payment shall be made within Huawei's shortest internal payment processing time after the date which invoice accepted by Huawei. The prepayment will be charged off at the time that Huawei pays the amount for the first acceptance milestone. If the first progress is not sufficient to charge off all prepayment, it will be deferred to the next acceptance milestone, till all the prepayment is completely charged off. Huawei serbia shall pay roaming networks after Huawei receives the payment from customer.
Acceptance milestone and payment: There are 2 acceptance milestones. Acceptance payment 1: After PAC, it is deemed the delivery progress reach Ninety-five Percent (95%),Eighty Percent (80%) of PO amount shall be invoiced. Payment shall be made within Huawei's shortest internal payment processing time after the date which invoice accepted by Huawei. Acceptance payment 2: After FAC, it is deemed the delivery progress reach One Hundred Percent (100%),Five Percent (5%) of PO amount shall be invoiced. Payment shall be made within Huawei's shortest internal payment processing time after the date which invoice accepted by Huawei.

Annex 1 Bill of Quotation	
Systems	**Price(USD,without VAT)**
Common Communication work	42,256.43
Voip-Material	219,507.52
VIDEO SURVEILLANCE SYSTEM	774,043.61
PUBLIC ADDRESS SYSTEM	221,773.49
CLOCK SYSTEM	89,976.28
INFORMATION DISPLAY SYSTEM	216,907.08
ACCESS CONTROL SYSTEM	67,885.21
BURGLAR SIGNALING SYSTEM	53,348.57
AUTOMATIC FIRE DETECTION	223,875.28
FIXED FIRE ALARM SYSTEM	35,208.99
ENVIRONMENTAL MONITORING SYSTEM	39,274.12
SOS SYSTEMS	14,952.58
Two-way communication	10,236.08
ALARM and TECHNICAL TELEPHONE SYSTEM	72,271.02
Tunnel	259,017.92
SECURITY SYSTEM INTEGRATION	131,862.17
AVIS	99,176.00
cabinet for tk	2,280.39
TOTAL USD:	**2,573,852.74**
special discount:	10,240.16
TOTAL with discount USD:	**2,563,612.58**

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Indjia**				
PO-TK					
05.03.03.02.03.17	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with three connection and two switchboards 10x2 with IDC connectors, with double contacts on the shunting side, two blocks for marking, three fuse modules 10x2 10KA / 10A and five mechanical ground outlets	kom	1	95.03	95.03
			2		0.00
05.03.03.02.03.29	PE pipe Ø 40mm for installation of optical cable	m	1450	0.65	941.92
05.03.03.02.03.30	Coupling for plastic pipes PE Ø 40mm.	kom	10	1.81	18.10
05.03.03.02.03.31	Pipe plug PE Ø 40mm	kom	20	0.23	4.53
05.03.03.02.03.32	TC 59 M 15 × 4 × 0.8	m	150	2.80	420.00
05.03.03.02.03.33	Category 6A S / FTP cables, external	m	4000	0.97	3,896.00
05.03.03.02.03.34	Category 6A halogen free S / FTP cables	m	7000	0.63	4,383.96
05.03.03.02.03.35	Installation cables				0.00
	J-H (St) H 10x2x0.8	m	20	1.98	39.60
	J-H (St) H 2x2x0.8	m	50	0.51	25.50
	Total			Total	**9,824.64**
3	**Beska**				
RO-TK					
05.03.03.03.03.16	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with three connection and two switchboards 10x2 with IDC connectors, with double contacts on the shunting side, two blocks for marking, three fuse modules 10x2 10KA / 10A and five mechanical ground outlets	pcs	1	95.03	95.03
	TOTAL RO-TK set:	set	2	95.03	190.06
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.03.03.28	PE pipe Ø 40mm for installation of optical cable	m	700	0.65	454.72
05.03.03.03.03.29	Coupling for plastic pipes PE Ø 40mm.	pcs	10	1.81	18.10
05.03.03.03.03.30	Pipe plug PE Ø 40mm	pcs	10	0.23	2.26
05.03.03.03.03.31	TC 59 M 15 × 4 × 0.8	m	100	2.80	280.00
05.03.03.03.03.32	Category 6A S / FTP cables, external	m	2500	0.97	2435.00
05.03.03.03.03.33	Category 6A halogen free S / FTP cables	m	5200	0.63	3256.66
05.03.03.03.03.34	Installation cables				
	JH (St) H 10x2x0.8	m	20	1.98	39.60
	JH (St) H 2x2x0.8	m	50	0.51	25.50
	TOTAL cables:	set	1	6,511.84	6511.84
				Total	**6,701.90**
3	**SREMSKI KARLOVIC**				
RO-TK					
05.03.03.04.03.16	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with three connection and two switchboards 10x2 with IDC connectors, with double contacts on the shunting side, two blocks for marking, three fuse modules 10x2 10KA / 10A and five mechanical ground outlets	pcs	1	95.03	95.03
	TOTAL RO-TK set:	set	2	95.03	190.06
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.04.03.28	PE pipe Ø 40mm for installation of optical cable	m	710	0.65	461.22
05.03.03.04.03.29	Coupling for plastic pipes PE Ø 40mm.	pcs	10	1.81	18.10
05.03.03.04.03.30	Pipe plug PE Ø 40mm	pcs	10	0.23	2.26
05.03.03.04.03.31	TC 59 M 15 × 4 × 0.8	m	100	2.80	280.00
05.03.03.04.03.32	Category 6A S / FTP cables, external	m	2500	0.97	2435.00
05.03.03.04.03.33	Category 6A halogen free S / FTP cables	m	5200	0.63	3256.66
05.03.03.04.03.34	Installation cables				
	JH (St) H 10x2x0.8	m	20	1.98	39.60
	JH (St) H 2x2x0.8	m	50	0.51	25.50
	TOTAL cables:	set	1	6,518.34	6518.34
				Total	**6,708.40**
3	**PETROVARADIN**				

RO-TK					
05.03.03.05.03.22	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with three connection and two switchboards 10x2 with IDC connectors, with double contacts on the shunting side, two blocks for marking, three fuse modules 10x2 10KA / 10A and five mechanical ground outlets	pcs	1	95.03	95.03
	TOTAL RO-TK set:	set	2	95.03	190.06
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.05.03.31	PE pipe Ø 40mm for installation of optical cable	m	900	0.65	584.64
05.03.03.05.03.32	Coupling for plastic pipes PE Ø 40mm.	pcs	10	1.81	18.10
05.03.03.05.03.33	Pipe plug PE Ø 40mm	pcs	10	0.23	2.26
05.03.03.05.03.34	TC 59 M 15 × 4 × 0.8	m	100	2.80	280.00
05.03.03.05.03.35	Category 6A S / FTP cables, external	m	3300	0.97	3214.20
05.03.03.05.03.36	Category 6A halogen free S / FTP cables	m	5600	0.63	3507.17
05.03.03.05.03.37	Installation cables				
	JH (St) H 10x2x0.8	m	20	1.98	39.60
	JH (St) H 2x2x0.8	m	50	0.51	25.50
	TOTAL cables:	set	1	7,671.47	7671.47
				Total	**7,671.47**

3	**HUNDRED KARLOVAC VINEYARDS**				
RO-TK					
05.03.03.06.03.05	Distribution cabinet (RO-TK) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with three connection and two switchboards 10x2 with IDC connectors, with double contacts on the shunting side, two marking blocks, three fuse module 10x2 10KA / 10A and five mechanical ground outlets	pcs	1	95.03	95.03
	TOTAL RO-TK set:	set	1	95.03	95.03
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.06.03.12	Category 6A S / FTP cables, external	m	200	0.97	194.80
05.03.03.06.03.13	Category 6A halogen free S / FTP cables	m	3000	0.63	1878.84
05.03.03.06.03.14	Installation cables				
	JH (St) H 10x2x0.8	m	20	1.98	39.60
	JH (St) H 2x2x0.8	m	50	0.51	25.50
	TOTAL cables:	set	1	2,138.74	2138.74
				Total	**2,233.77**

2	**Bridge**				
RO-ZKS					
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.07.01.02.08	Category 6A S / FTP cables, external	m	360	0.97	350.64
	TOTAL cables:	pcs	1	350.64	350.64

	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.07.02.02.08	Category 6A S / FTP cables, external	m	120	0.97	116.88
	TOTAL cables:	pcs	1	116.88	116.88
				Total	**467.52**

2	**EVP Indjija**				
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.08.01.02.11	Category 6A halogen free S / FTP cables	m	1400	0.63	876.79
	TOTAL cables:	pcs	1	876.79	876.79
	Sockets, cables, connecting cables and more				
5.3.4.2.1.3.4	Category 6A halogen free S / FTP cable	m	120	0.63	75.15
			1	75.15	75.15
				Total	**951.95**

2	**PSN Beska**

	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.08.02.02.1	Category 6A halogen free S / FTP cables	m	1000	0.63	626.28
	TOTAL cables:	pcs	1	626.28	626.28
	Sockets, cables, connecting cables and more				
5.3.4.2.4.3.4	Category 6A halogen free S / FTP cable	m	60	0.63	37.58
			1	37.58	37.58
				Total	**663.86**
2	**PS Sremski Karlovci**				
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.08.03.02.1	Category 6A halogen free S / FTP cables	m	1000	0.63	626.28
	TOTAL cables:	pcs	1		626.28
5.3.4.2.8.3	**JOINT COMMUNICATION NETWORK - PASSIVE EQUIPMENT**				
	Material				
	Sockets, cables, connecting cables and more				
5.3.4.2.8.3.4	Category 6A halogen free S / FTP cable	m	60	0.63	37.58
			1	37.58	37.58
				Total	**663.86**

2	**Indjija pustara**				
RO-ZKU 1					
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.09.02.11	Category 6A S / FTP cables, external	m	150	0.97	146.10
05.03.03.09.02.12	Category 6A halogen free S / FTP cables	m	800	0.63	501.02
	TOTAL cables:	pcs	1	647.12	647.12
				Total	**647.12**

2	**Tunnel**				
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.10.02.15	PE pipe Ø 40mm for installation of optical cable	m	150	0.65	97.44
05.03.03.10.02.16	Coupling for plastic pipes PE Ø 40mm.	pcs	10	1.81	18.10
05.03.03.10.02.17	Pipe plug PE Ø 40mm	pcs	10	0.23	2.26
05.03.03.10.02.18	Category 6A S / FTP cables, external	m	150	0.97	146.10
05.03.03.10.02.19	Category 6A halogen free S / FTP cables	m	700	0.63	438.40
	TOTAL cables:	pcs	2	702.30	1404.60

	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.03.10.02.11	Category 6A halogen free S / FTP cables	m	600	0.63	375.77
				Total	**1,780.37**

3	**BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI**				
	Cables for common communication network (structured cabling, video surveillance system, clock system)				
05.03.06.03.25	Category 6A S / FTP cables, external	m	0	0.97	0.00
05.03.06.03.26	Category 6A halogen free S / FTP cables	m	6000	0.63	3757.68
05.03.06.03.27	Installation cables				
	JH (St) H 10x2x0.8	m	80	1.98	158.40
	JH (St) H 2x2x0.8	m	50	0.51	25.50
	TOTAL cables:	set	1	3,941.58	3941.58
				Total	**3,941.58**

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
4	**Whole line**				
05.03.03.01.04.01	Interface to the existing JAT exchange. Communication with the main VoIP exchange via E1 / SIP trunk, signaling SS7, R2, PRI, QSIG, BRI). Communication with the existing ŽAT exchange via the existing PVF and the existing signalization, via the E&M interface. Processing capacity of a minimum of 10 calls, with the possibility of expanding processing to a minimum of 20 calls to the JAT exchange. One or more devices that provide functionality. Complete with all installation equipment and	компл	1	47,614.37	47,614.37
05.03.03.01.04.02	Truns/unit for remote subscribers (ПДП/ЈДП). Comes complete with all mounting equipment and cables for connecting to both on exchange and terminal device side.	компл	1	3,765.30	3,765.30
05.03.03.01.04.03	System expansion. It includes the purchase of all necessary equipment and software (server, software,system cables)	компл	4	2,812.06	11,248.24
	Material and works				
05.03.03.01.04.04	Installation of equipment with connection to the performed installation	компл	1	4,756.67	4,756.67
05.03.03.01.04.05	Commissioning of all equipment (basic functionality with checking all network points) - for the entire section	компл	1	12,630.44	12,630.44
05.03.03.01.04.06	Integration of equipment (basic functionality with checking all points of the network) and testing with the consent of the Owner / Investor - for the entire section	компл	1	3,384.00	3,384.00
05.03.03.01.04.07	General approval and verification - for the entire section	компл	1	2,097.13	2,097.13
05.03.03.01.04.08	User training (for the whole section)	компл	1	4,718.54	4,718.54
05.03.03.01.04.09	Design and preparation of documentation (for the whole section)	компл	1	8,817.48	8,817.48
4	**NoviSad**				
05.03.03.01.04.01	Local VoIP exchange for 200 "voice" users, expandable up to 1000. (eSpace U1960 or equivalent)	компл	1	66,679.18	66,679.18
05.03.03.01.04.02	Installation of equipment with connection to the performed installation with all necessary equipment	компл	1	7,196.97	7,196.97
4	**Indijia**				
05.03.03.02.04.02	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports	компл	1	1,420.33	1,420.33
05.03.03.02.04.03	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	компл	2	691.10	1,382.20
05.03.03.02.04.04	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	ком	20	414.66	8,293.20
05.03.03.02.04.05	More complex type of IP phone with LCD monitor min 5 "in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter .	ком	5	414.66	2,073.30
05.03.03.02.04.06	Installation of equipment with connection to the performed installation with all necessary equipment	компл	1	1,858.82	1,858.82
4	**Beshka**				
05.03.03.03.04.01	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports	set	1	1,420.33	1,420.33
05.03.03.03.04.02	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	set	1	691.10	691.10
05.03.03.03.04.03	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	5	414.66	2,073.30
05.03.03.03.04.04	More complex type of IP phone with LCD monitor min 5 "in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter .	pcs	2	414.66	829.32
05.03.03.03.04.05	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	1,191.55	1,191.55
4	**SREMSKI KARLOVIC**				
05.03.03.04.04.01	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports	set	1	1,420.33	1,420.33
05.03.03.04.04.02	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	set	1	691.10	691.10
05.03.03.04.04.03	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	5	414.66	2,073.30

05.03.03.04.04.04	More complex type of IP phone with LCD monitor min 5 "in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter .	pcs	2	414.66	829.32
05.03.03.04.04.05	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	1,191.55	1,191.55
4	**PETROVARADIN**				
05.03.03.05.04.01	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports	set	1	1,420.33	1,420.33
05.03.03.05.04.02	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	set	1	691.10	691.10
05.03.03.05.04.03	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	10	414.66	4,146.60
05.03.03.05.04.04	More complex type of IP phone with LCD monitor min 5 "in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter .	pcs	2	414.66	829.32
05.03.03.05.04.05	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	1,477.52	1,477.52
4	**HUNDRED KARLOVAC VINEYARDS**				
05.03.03.06.04.01	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports	set	1	1,420.33	1,420.33
05.03.03.06.04.02	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	1	414.66	414.66
05.03.03.06.04.03	More complex type of IP phone with LCD monitor min 5 "in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter .	pcs	1	414.66	414.66
05.03.03.06.04.04	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	619.61	619.61
3	**EVP Indjija**				
05.03.03.08.01.03.01	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	set	1	691.10	691.10
05.03.03.08.01.03.02	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	4	414.66	1,658.64
05.03.03.08.01.03.03	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	905.58	905.58
3	**PSN Beska**				
05.03.03.08.02.03.01	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	set	1	691.10	691.10
05.03.03.08.02.03.02	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	2	414.66	829.32
05.03.03.08.02.03.03	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	714.93	714.93
3	**PS Sremski Karlovci**				
05.03.03.08.03.03.01	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports	set	1	691.10	691.10
05.03.03.08.03.03.02	Basic type of IP phone with LCD monitor min 2.83 "in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with	pcs	2	414.66	829.32
05.03.03.08.03.03.03	Installation of equipment with connection to the performed installation with all necessary equipment	set	1	714.93	714.93

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Regional Beograd Centar**				
05.03.03.01.05.01	Procurement and delivery of licenses for cameras for IP video management system of video surveillance (BOSCH BVMS Professional 10.0, License Camera/decoder expansion or	ком	250	$158.76	39,690.00
05.03.03.01.05.02	Procurement and delivery of licenses for workstations for video management system IP video surveillance (BOSCH BVMS Professional 10.1, License Workstation expansion or equivalent)	ком	2	$289.10	578.20
05.03.03.01.05.03	**Regional Novi Sad**				
05.03.03.01.05.04	Procurement and delivery of licenses for cameras for IP video management system of video surveillance (BOSCH BVMS Professional 10.0, License Camera/decoder expansion or	ком	200	$158.76	31,752.00
	Procurement and delivery of licenses for workstations for video management system IP video surveillance (BOSCH BVMS Professional 10.1, License Workstation expansion or equivalent)	ком	5	$289.10	1,445.50
	Procurement and delivery of license for IP video management system for additional server of video surveillance (BOSCH BVMS Professional 10.1, License Professional base or equivalent)	ком	1	$5,878.77	5,878.77
	Appropriate servers for software instalation. Completed with system cables and all necessary equipment. (BOSCH MHW-S380RA-SC or equivalent)	ком	2	$7,170.01	14,340.02
	Entire section				
	Instalaltion and connection of equipment to cable instalation (here is offered only mounting of two servers)	ком		$490.00	0.00
	System configuration, issuing of attestation and Commissioning including all necessary software, works,... (for the whole section)	ком	1	$34,300.00	34,300.00
	User training (for the entire section)	ком	1	$1,960.00	1,960.00
	Designing and preparation of documentation (for the entire	ком	1	$19,600.00	19,600.00
	Novi Sad				
05.03.03.01.05.01	Network storage device based on iSCSI interface. Adjustable hardware protection (RAID-5 or RAID-6) Optimized for 24/7 operation, certified by the manufacturer of video management software. Redundant power supply (hot-swapp). Minimum two network interfaces (10GB per interface), minimum throughput 600Mbs. Storage space: built-in 48TV Mounting: Rack cabinet	ком	6	$14,673.54	88,041.24
05.03.03.01.05.02	Client workstation for video monitoring, based on Intel® Core ™ Xeon E5-1650 processor and Microsoft operating system. View archives and view live in a maximum FPS of at least 32 installed cameras. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0.1 , 5, 1xserial port header. Video outputs: graphics card with 8GB of own memory, up to 4 monitors can be connected simultaneously. Other: MiniTower, keyboard, optical mouse Operating System: Microsoft Windows 8.1 64 bit. (BOSCH MHW-WZ4R4-EEUK or	ком	2	$3,773.00	7,546.00
05.03.03.01.05.03	Professional monitor for video surveillance systems type LED / Diagonal 42 "Wide / Resolution 1920x1080 Full HD / Aspect ratio 16: 9 / Response 8ms / Contrast 4000: 1 (static) / Brightness 250cd / m^2 / Refresh 60Hz / Viewing angle 178 ° (H)) DVI-D, VGA, HDMI, S-video, CVBS / Additional functions: cable management, VESA standard for wall mounting (400mm x 400mm) Mounting on a desk or wall (BOSCH UML-423-90 or	ком	2	$1,910.02	3,820.04
05.03.03.01.05.04	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle	ком	3	$1,314.18	3,942.54
05.03.03.01.05.05	Small and other unspecified materials and works	компл	1	$466.48	466.48
	Indjija				

05.03.03.02.05.01	IP bullet ONVIF Day / Night full HD 1080p camera, sensor 1 / 2.8 "CMOS HD 1937 x 1097 (2.12MP) with built-in 2.8-12mm lens with auto focus and iris; 137dB high dynamic range (HDR) with intelligent dynamic noise suppression (iDNR), 60m range IP LED, automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.0051 lux in night mode, 0.0225 lux in color mode (30 IRE), 0.0lux with LED on, has mechanical real day / night filter, 1080p HD at 60fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB, the camera contains a software license for intelligent video analysis for IP cameras with the following functions: The software reliably detects, monitors and analyzes moving objects, and suppresses unwanted alarms from false sources in the image.Advanced tasks such as multiple line crossing, separation, density estimation and human counting are available -	ком	23	$653.66	15,034.18
05.03.03.02.05.02	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)	ком	17	$63.70	1,082.90
05.03.03.02.05.03	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	ком	8	$396.90	3,175.20
05.03.03.02.05.04	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detects, monitors and analyzes moving objects while suppressing unwanted alarms; recognizes faces in the scene;	ком	28	$1,039.78	29,113.84
05.03.03.02.05.05	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	ком	14	$64.68	905.52
05.03.03.02.05.06	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the ability to divide the circular image into multiple rectangular images. With a WDR of at least 81dB with intelligent dynamic noise reduction (iDNR) Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	ком	4	$510.58	2,042.32
05.03.03.02.05.07	Client video monitoring workstation, based on Intel ® Core ™ Xeon E5-1650 processor and Microsoft operating system. Archive view and live view in maximum FPS of at least 32 installed cameras. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0,1,5, 1xserial port header Video outputs: graphics card with 8GB of own memory, can connect up to 4 monitors simultaneously Other: MiniTower, keyboard, optical mouse Operating System: Microsoft Windows 8.1 64 bit.	ком	1	$3,773.00	3,773.00
05.03.03.02.05.08	Wide LED monitor 32 Full HD optimized for 24/7 operation with video surveillance systems with the following features: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle 178 ° (H / V).	ком	2	$1,314.18	2,628.36
05.03.03.02.05.09	Small and other unspecified materials and works	компл	1	$466.48	466.48
	SUB-Indjija				

05.03.03.02.19.01	Network storage device based on iSCSI interface. Adjustable hardware protection (RAID-5 or RAID-6) Optimized for 24/7 operation, certified by the manufacturer of video management software. Redundant power supply (hot-swapp). Minimum two network interfaces (10GB per interface), minimum throughput 600Mbs. Storage space: built-in 48TV Installation: River cabinet (BOSCH DSA-N2E7X4-12AT or equivalent)	ком	8	$14,673.54	117,388.32
05.03.03.02.19.02	Small and other unspecified materials and works	компл	1	$466.48	466.48
	Beska				
05.03.03.03.05.01	and suppresses unwanted alarms from false sources in the image. Advanced tasks such as multiple line crossings, separation, density estimation and people counting are available - fully configurable forensic search; IP67, IK10 vandal resistance	pcs	16	$653.66	10,458.56
05.03.03.03.05.02	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)	pcs	11	$63.70	700.70
05.03.03.03.05.03	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	8	$396.90	3,175.20
05.03.03.03.05.04	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	24	$1,039.78	24,954.72
05.03.03.03.05.05	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	13	$64.68	840.84
05.03.03.03.05.06	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	3	$510.58	1,531.74
05.03.03.03.05.07	Client workstation for video monitoring, based on Intel® Core ™ Xeon E5-1650 processor and Microsoft operating system. View archives and view live at a maximum FPS of at least 32 cameras installed. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0.1 , 5, 1xserial port header. Video outputs: graphics card with 8GB of own memory, up to 4 monitors can be connected at the same time. Other: MiniTower, keyboard, optical mouse Operating System: Microsoft Windows 8.1 64 bit. (BOSCH MHW-WZ4R4-	pcs	1	$3,773.00	3,773.00
05.03.03.03.05.08	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle	pcs	2	$1,314.18	2,628.36
05.03.03.03.05.09	Small and other unspecified materials and works	set	1	$466.48	466.48

	Karlovci				
05.03.03.04.05.01	and suppresses unwanted alarms from false sources in the image. Advanced tasks such as multiple line crossings, separation, density estimation and people counting are available - fully configurable forensic search; IP67, IK10 vandal resistance	pcs	18	$653.66	11,765.88
05.03.03.04.05.02	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)	pcs	12	$63.70	764.40
05.03.03.04.05.03	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	8	$396.90	3,175.20
05.03.03.04.05.04	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	24	$1,039.78	24,954.72
05.03.03.04.05.05	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	15	$64.68	970.20
05.03.03.04.05.06	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	6	$510.58	3,063.48
05.03.03.04.05.07	Client workstation for video monitoring, based on Intel® Core ™ Xeon E5-1650 processor and Microsoft operating system. View archives and view live in a maximum FPS of at least 32 installed cameras. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0.1 , 5, 1xserial port header. Video outputs: graphics card with 8GB of own memory, up to 4 monitors can be connected at the same time. Other: MiniTower, keyboard, optical mouse Operating System: Microsoft Windows 8.1 64 bit. (BOSCH MHW-WZ4R4-	pcs	1	$3,773.00	3,773.00
05.03.03.04.05.08	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle	pcs	2	$1,314.18	2,628.36
05.03.03.04.05.09	Small and other unspecified materials and works	set	1	$466.48	466.48
	Petrovaradin				
05.03.03.05.05.01	and suppresses unwanted alarms from false sources in the image. Advanced tasks such as multiple line crossings, separation, density estimation and people counting are available - fully configurable forensic search; IP67, IK10 vandal resistance	pcs	22	$653.66	14,380.52
05.03.03.05.05.02	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)	pcs	10	$63.70	637.00

05.03.03.05.05.03	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	5	$396.90	1,984.50
05.03.03.05.05.04	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	28	$1,039.78	29,113.84
05.03.03.05.05.05	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	14	$64.68	905.52
05.03.03.05.05.06	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	5	$510.58	2,552.90
05.03.03.05.05.07	Client workstation for video monitoring, based on Intel® Core ™ Xeon E5-1650 processor and Microsoft operating system. View archives and view live in a maximum FPS of at least 32 installed cameras. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0.1 , 5, 1xserial port header. Video outputs: graphics card with 8GB of own memory, up to 4 monitors can be connected at the same time. Other: MiniTower, keyboard, optical mouse Operating System: Microsoft Windows 8.1 64 bit. (BOSCH MHW-WZ4R4-	pcs	1	$3,773.00	3,773.00

05.03.03.05.05.08	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle	pcs	2	$1,314.18	2,628.36
05.03.03.05.05.09	Small and other unspecified materials and works	set	1	$466.48	466.48
	Karlovac				
05.03.03.06.05.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	1	$396.90	396.90
05.03.03.06.05.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	7	$1,039.78	7,278.46
05.03.03.06.05.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	7	$64.68	452.76
05.03.03.06.05.04	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	2	$510.58	1,021.16
05.03.03.06.05.05	Client workstation for video monitoring, based on Intel® Core ™ Xeon E5-1650 processor and Microsoft operating system. View archives and view live in a maximum FPS of at least 32 installed cameras. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0.1 , 5, 1xserial port header. Video outputs: graphics card with 8GB of own memory, up to 4 monitors can be connected at the same time. Other: MiniTower, keyboard, optical mouse Operating System. Microsoft Windows 0.1 64 bit. (BOSCH MIIW-WZ4R4	pcs	1	$3,773.00	3,773.00
05.03.03.06.05.06	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle	pcs	2	$1,314.18	2,628.36
05.03.03.06.05.07	Small and other unspecified materials and works	set	1	$466.48	466.48
	Bridge				

05.03.03.07.01.03.01	Fixed IP ONVIF Day / Night 5Mpix camera, 1 / 1.8 "CMOS 6.1MP sensor; high dynamic range (HDR) of at least 110dB with Intelligent Dynamic Noise Canceling (iDNR) Backlight and Headlamp Suppression by Intelligent Automatic Exposure (IAE); Anti-Fog; sensitivity at min. lighting conditions 0.004 lux in night mode, 0.0121 lux in color mode (30 IRE); has a mechanical filter for real day / night mode; 5Mpix at 30fps maximum, simultaneous quad streaming (2 x H.264 Main Profile and 2 x M-JPEG), support for local recording to microSD memory card up to 2TB; Software license for intelligent video analysis on IP cameras, with the following functions: reliably detects, monitors and analyzes moving objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic	pcs	4	$964.32	3,857.28
05.03.03.07.01.03.02	Barifocal megapixel lens IR corrected lens. 1 / 1.8 "sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)	pcs	4	$129.36	517.44
05.03.03.07.01.03.03	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10.	pcs	4	$161.70	646.80
05.03.03.07.01.03.04	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)	pcs	4	$43.12	172.48
05.03.03.07.01.03.05	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)	pcs	4	$64.68	258.72
05.03.03.07.01.03.06	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. Features include: High Dynamic Range (HDR) of at least 120dB with Intelligent Dynamic Noise Canceling (iDNR) for maximum image quality. Day mode 0.0077 lux; Night mode 0.0008 lux. 30X optical and 12X digital zoom with digital image stabilizer, 360 ° continuous rotation with up to 256 preset positions and up to 400 ° / s, 4 streams of which two H.264 dual streaming compression, SD local archive storage up to 2TB. Advanced features include suppression of street lighting for better object color recognition, advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video Analytics, Anti-Fog. Built-in video content analysis. IP66 protection, NEMA	pcs	2	$2,678.34	5,356.68
05.03.03.07.01.03.07	Small and other unspecified materials and works	set	1	$187.18	187.18
	Mechanical engineering				
05.03.03.07.02.03.01	Fixed IP ONVIF Day / Night 5Mpix camera, 1 / 1.8 "CMOS 6.1MP sensor; high dynamic range (HDR) of at least 110dB with Intelligent Dynamic Noise Canceling (iDNR) Backlight and Headlamp Suppression by Intelligent Automatic Exposure (IAE); Anti-Fog; sensitivity at min. lighting conditions 0.004 lux in night mode, 0.0121 lux in color mode (30 IRE); has a mechanical filter for real day / night mode; 5Mpix at 30fps maximum, simultaneous quad streaming (2 x H.264 Main Profile and 2 x M-JPEG), support for local recording to microSD memory card up to 2TB; Software license for intelligent video analysis on IP cameras, with the following functions: reliably detects, monitors and analyzes moving objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic	pcs	1	$964.32	964.32
05.03.03.07.02.03.02	Barifocal megapixel lens IR corrected lens. 1 / 1.8 "sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)	pcs	1	$129.36	129.36
05.03.03.07.02.03.03	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10.	pcs	1	$161.70	161.70
05.03.03.07.02.03.04	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)	pcs	1	$43.12	43.12
05.03.03.07.02.03.05	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)	pcs	1	$64.68	64.68

05.03.03.07.02.03.06	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. Features include: High Dynamic Range (HDR) of at least 120dB with Intelligent Dynamic Noise Canceling (iDNR) for maximum image quality. Day mode 0.0077 lux; Night mode 0.0008 lux. 30X optical and 12X digital zoom with digital image stabilizer, 360 ° continuous rotation with up to 256 preset positions and up to 400 ° / s, 4 streams of which two H.264 dual streaming compression, SD local archive storage up to 2TB. Advanced features include suppression of street lighting for better object color recognition, advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video Analytics, Anti-Fog. Built-in video content analysis. IP66 protection, NEMA	pcs	1	$2,678.34	2,678.34
05.03.03.07.02.03.07	Small and other unspecified materials and works	set	1	$187.18	187.18
	EVP Indjija				
05.03.03.08.01.04.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	3	$396.90	1,190.70
05.03.03.08.01.04.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	8	$1,039.78	8,318.24
05.03.03.08.01.04.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	8	$64.68	517.44
05.03.03.08.01.04.04	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	2	$510.58	1,021.16
05.03.03.08.01.04.05	Small and other unspecified materials and works	set	1	$466.48	466.48
	PSN Beska				
05.03.03.08.02.04.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	1	$396.90	396.90

05.03.03.08.02.04.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	8	$1,039.78	8,318.24
05.03.03.08.02.04.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	8	$64.68	517.44
05.03.03.08.02.04.04	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	2	$510.58	1,021.16
05.03.03.08.02.04.05	Small and other unspecified materials and works	set	1	$466.48	466.48
	PS Sremski Karlovci				
05.03.03.08.03.04.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	1	$396.90	396.90
05.03.03.08.03.04.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	8	$1,039.78	8,318.24
05.03.03.08.03.04.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	8	$64.68	517.44
05.03.03.08.03.04.04	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	2	$510.58	1,021.16
05.03.03.08.03.04.05	Small and other unspecified materials and works	set	1	$466.48	466.48
	OGF Indjija pustara				

05.03.03.09.03.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	3	$396.90	1,190.70
05.03.03.09.03.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	2	$1,039.78	2,079.56
05.03.03.09.03.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	4	$64.68	258.72
05.03.03.09.03.04	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	2	$510.58	1,021.16
05.03.03.09.03.05	Small and other unspecified materials and works	set	1	$466.48	466.48
	Tunnel				
05.03.03.10.03.01	Fixed IP ONVIF Day / Night 5Mpix camera, 1 / 1.8 "CMOS 6.1MP sensor; high dynamic range (HDR) of a minimum of 110dB with Intelligent Dynamic Noise Canceling (iDNR) Backlight and Headlamp Suppression, Intelligent Auto Exposure (IAE); Anti-Fog; sensitivity at min. lighting conditions 0.004 lux in night mode, 0.0121 lux in color mode (30 IRE); has a mechanical filter for real day / night mode; 5Mpix at 30fps maximum, simultaneous quad streaming (2 x H.264 Main Profile and 2 x M-JPEG), support for local recording to microSD memory card up to 2TB; Software license for intelligent video analysis on IP cameras, with the following functions: reliably detects, monitors and analyzes moving objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic	pcs	8	$964.32	7,714.56
05.03.03.10.03.02	Barifocal megapixel lens IR corrected lens. 1 / 1.8 " sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)	pcs	8	$129.36	1,034.88
05.03.03.10.03.03	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10.	pcs	8	$161.70	1,293.60
05.03.03.10.03.04	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)	pcs	8	$43.12	344.96

05.03.03.10.03.05	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. Features include: High Dynamic Range (HDR) of at least 120dB with Intelligent Dynamic Noise Canceling (iDNR) for maximum image quality. Day mode 0.0077 lux; Night mode 0.0008 lux. 30X optical and 12X digital zoom with digital image stabilizer, 360 ° continuous rotation with up to 256 preset positions and up to 400 ° / s, 4 streams of which two H.264 dual streaming compression, SD local archive storage up to 2TB. Advanced features include suppression of street lighting for better object color recognition, advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video Analytics, Anti-Fog. Built-in video content analysis. IP66 protection, NEMA	pcs	4	$2,678.34	10,713.36
05.03.03.10.03.06	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	4	$49.98	199.92
05.03.03.10.03.07	retrospective forensic examination; (BOSCH NBN-73023-BA or equivalent)	pcs	12	$964.32	11,571.84
05.03.03.10.03.08	Barifocal megapixel lens IR corrected lens. 1 / 1.8 "sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)	pcs	12	$129.36	1,552.32
05.03.03.10.03.09	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10.	pcs	12	$161.70	1,940.40
05.03.03.10.03.10	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)	pcs	12	$39.20	470.40
05.03.03.10.03.11	Small and other unspecified materials and works	set	1	$373.38	373.38
	OGF BTS				
05.03.03.10.03.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	6	$396.90	2,381.40
05.03.03.10.03.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	4	$1,039.78	4,159.12
05.03.03.10.03.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	8	$64.68	517.44
05.03.03.10.03.04	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 - inch CMOS and with 360 ° Fisheye lens 1.19 mm. It has the possibility of electronic PTZ in high resolution with the possibility of dividing the circular image into several rectangular images. With a WDR of at least 81dB with Intelligent Dynamic Noise Canceling (iDNR). Simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; IK10 anti-vandal protection (BOSCH NUC-52051-F0E or equivalent)	pcs	4	$510.58	2,042.32
05.03.03.10.03.05	Small and other unspecified materials and works	set	2	$187.18	374.36
	Power plants				

05.03.03.10.04.01	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris; WDR of at least 120dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 5MP at 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB.Advanced features include advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video	pcs	2	$396.90	793.80
05.03.03.10.04.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	10	$1,039.78	10,397.80
05.03.03.10.04.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	10	$64.68	646.80
05.03.03.10.04.04	Small and other unspecified materials and works	set	2	$187.18	374.36
	Facility 4				
05.03.06.04.01	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. Features include: High Dynamic Range (HDR) of at least 120dB with Intelligent Dynamic Noise Canceling (iDNR) for maximum image quality. Day mode 0.0077 lux; Night mode 0.0008 lux. 30X optical and 12X digital zoom with digital image stabilizer, 360 ° continuous rotation with up to 256 preset positions and up to 400 ° / s, 4 streams of which two H.264 dual streaming compression, SD local archive storage up to 2TB. Advanced features include suppression of street lighting for better object color recognition, advanced alarm control, Intelligent Auto Object Tracking and Intelligent Video Analytics, Anti-Fog. Built-in video content analysis. IP66 protection, NEMA	pcs	9	$2,678.34	24,105.06
05.03.06.04.02	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris; high dynamic range (HDR) of at least 100dB with intelligent dynamic noise cancellation (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions 0.08 lux in night mode, 0.25 lux in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on microSD memory card up to 2TB, Software license for intelligent video analysis on IP cameras, with the following functions: reliable detection, monitoring and analyzes moving objects while suppressing unwanted alarms, recognizes faces in the scene,	pcs	17	$1,039.78	17,676.26
05.03.06.04.03	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)	pcs	11	$64.68	711.48
05.03.06.04.04	Client workstation for video monitoring, based on Intel® Core ™ Xeon E5-1650 processor and Microsoft operating system. View archives and view live at a maximum FPS of at least 32 cameras installed. Technical specification min: 500GB HDD, blue-ray RW, 8GB RAM, Gigabit (10/100/1000 Mbs / s) LAN, Intel® HD Audio, 2 x USB 3.0, 2 x USB 2.0, power supply 700W, RAID 0.1 , 5, 1xserial port header. Video outputs: graphics card with 8GB of own memory, up to 4 monitors can be connected at the same time. Other: MiniTower, keyboard, optical mouse Operating System: Microsoft Windows 8.1 64 bit. (BOSCH MHW-WZ4R4-	pcs	1	$3,773.00	3,773.00
05.03.06.04.05	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px, HDMI, DVI, VGA, S-Video inputs. Two composite BNC connectors - input and loop-through output, high contrast 3,000: 1, brightness 350 cd / m2, viewing angle	pcs	2	$1,314.18	2,628.36

05.03.06.04.06	Network "All-in-One" storage device, configured iSCSI array of 8x2 TB "hot-swap" SATA-II disks with RAID-5 data protection, dual Gigabit Ethernet port, redundant power supply, Intel Xeon Quad Core X3430 (8M cache) , 2.4 GHz) 1333 MHz FSB or equivalent, 4 GB RAM, 4 USB 2.0 ports, 19 "rack mounting. Complete with Microsoft Windows Storage Server 2008 R2 and integrated storage system management application with a maximum of 32 cameras, which provides direct recording on iSCSI network drives.Supports 5 clients for system monitoring, forensic search, smart video analytics and advanced alarm list and the ability to monitor from a mobile phone.Supports map entry with direct links to cameras within the map and the ability to zoom mapsas well as the possibility of integration into professional central application software for management and control of video surveillance systems (BOSCH DIP-7082-8HD or equivalent)	pcs	1	10,694.74	10,694.74
05.03.06.04.08	Small and other unspecified materials and works	set	1	$373.38	373.38

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Whole Line**				
	High performance DHCP (Dynamic Host Configuration Protocol) server which eliminates the need to use the IPv4LL protocol. As a DHCP server, ARNI supports one subnet when there is no DHCP server available. DNS SD (Domain Name System – Service Directory) server which is used to discover all IP аудио equipment on a (routed) network without the need and load for Multicast DNS. It also extends the use of PTP (Precision Time Protocol) over multiple IP subnets by acting as a boundary clock, synchronized to a master clock using unicast PTP and acts as the clock master in its own subnet using multicast PTP to synchronize the IP audio nodes. (BOSCH OMN-ARNIE or equivalent)	ком	1	$6,359.40	6,359.40
05.03.03.01.06.01	Making measurements by location (for the whole section)	ком	1	$9,800.00	9,800.00
05.03.03.01.06.02	System configuration, issuance of certificates and commissioning (for the entire section)	ком	1	$24,500.00	24,500.00
05.03.03.01.06.03	User training (for the whole section)	ком	1	$1,960.00	1,960.00
05.03.03.01.06.04	Design and preparation of documentation	ком	1	$19,600.00	19,600.00
	Novi Sad				
05.03.03.01.06.0	Call station with speaker and microphone on flexible neck, with one button with "all call" function, light indication. Supports redundant connections to the rest of the sound system. It is possible to configure the call station from a network controller. Any faulty operation is controlled by the controller and in the event of a controller failure, evacuation messages may still be issued. (LBB 4430/00 or equivalent)	ком	1	$449.63	449.63
05.03.03.01.06.0	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc. (LBB4432 / 00 or equivalent)	ком	2	$230.05	460.10
05.03.03.01.06.0	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals; minimum 4 audio inputs and 4 audio outputs, PC setting, with LCD display, up to 256 priorities. It controls hundreds of zones and a minimum of 30 other audio network devices. Audio messages can be transferred from a computer in wave format. It has the ability to process audio for all audio outputs and inputs - the parameter equalizer, limiter and gain can be easily determined in the configuration software. Supports redundant connections to computer and audio network. Controls the status of equipment in the audio system and stores a minimum of 200 error messages. Monitoring audio connections. Complete with required software.Mounting in 19 " rack. (PRS-NCO2-PRS	ком	1	3,611.33	3,611.33
05.03.03.01.06.0	Network interface (audio module Audio / Ethernet) for real-time distribution of uncompressed digital audio signal over industry standard IP network. It contains two optical network connections, two RJ45 Ethernet connectors (remote distribution), 8 controlled control inputs and 5 control outputs with the possibility of installation in a 19 "cabinet. The unit is self-monitoring and constantly reports its status to the network controller. It can also direct audio channels between themselves and other interfaces, in the same or in other audio system networks via WAN, or third parties.Fully programmable and controlled via audio controller.Media transport and system control can be run in encrypted mode for secure applications.Contains DSP processor and VU meter display	ком	1	2,381.25	2,381.25
05.03.03.01.06.0	Workstations with one 32 " monitor for each for the Authority	компл	0	1,983.90	0.00

05.03.03.01.06.0	Graphical interface software for zone view operators. Supports overview of various sound subsystems, call control and BGM. Allows you to start and end calls. Multiple calls can be active simultaneously from the same client application. The selection of different BGM channels and volume can be controlled and changed by zone, (PRS-CSC-E PC Call Station Client or equivalent)	компл	1	282.33	282.33
05.03.03.01.06.0	Interface device for switching from system cable to optical cable (PRS-FINS or equivalent)	ком	4	701.54	2,806.16
05.03.03.01.06.0	- optical switching cable E2000 / APC - LC duplex G657.A1 cable, length 50m, LSZH	ком	0	69.39	0.00
05.03.03.01.06.0	System cable 2m, (LBB 4416/02 or equivalent)	ком	1	42.78	42.78
05.03.03.01.06.1	System cable 10m, (LBB 4416/10 or equivalent)	ком	2	95.06	190.12
05.03.03.01.06.1	System cable 50m, (LBB 4416/50 or equivalent)	ком	2	274.72	549.44
05.03.03.01.06.12	Equipment required for connecting system cables (LBB 4417/00, or equivalent)	компл	1	143.54	143.54
05.03.03.01.06.13	Small and other unspecified materials and works	компл	1	397.35	397.35
	Indjija				
05.03.03.02.06.01	Call station with speaker and microphone on flexible neck, with one button with "all call" function, light indication. Supports redundant connections to the rest of the sound system. It is possible to configure the call station from a network controller. Any faulty operation is controlled by the controller and in the event of a controller failure, evacuation messages may still be issued. (LBB 4420/00 or equivalent)	ком	1	$449.63	449.63
05.03.03.02.06.02	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc. (LBB4432 / 00 or equivalent)	ком	1	$230.05	230.05
05.03.03.02.06.03	Ceiling speaker for indoor installation in a suspended ceiling, supports EN54, IP21 (dimensions in line with the suspended ceiling):	ком			
	- nominal power 6W / 100V with terminals 6/3 / 1.5 / 0.75W				
	- SPL (1m / 1W / 1kHz) 89dB				
	- coverage angle at 1kHz / 4kHz 180 ° / 62 °				
	- frequency range 70Hz- 20kHz,				
	Complete with protective boxes and all mounting accessories (LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)		24	$36.12	866.88
05.03.03.02.06.04	Outdoor line speaker, supports EN54:	ком			
	- nominal power 60W / 100V with 60/30 / 15W terminals				
	- SPL (1m / 1W / 1kHz) 97dB				
	- vertical radiation angle at 1kHz / 4kHz 55 ° / 18 °				
	- horizontal radiation angle 1kHz / 4kHz 170 ° / 90 °				
	- frequency range 190Hz- 20kHz,				
	Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)		22	$383.09	8,427.98
05.03.03.02.06.05	Horn, IP 65, complete with driver				
	- nominal power 30W / 100V with terminals 30/15 / 7.5W				
	- vertical radiation angle (1kHz / 4kHz) 98 ° / 118 °				
	- horizontal radiation angle (1kHz / 4kHz) 68 °				
	- SPL (1m / 1W / 1kHz) 100dB				
	- frequency range 212Hz- 20kHz				
	Complete with all protective and mounting equipment (LH1-UC30E or equivalent)	ком	8	$140.69	1,125.52
05.03.03.02.06.06	Waterproof junction box equipped with a terminal block for parallel separation of the installation	ком	12	$31.37	376.44
05.03.03.02.06.07	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	ком	50	$31.37	1,568.50
05.03.03.02.06.08	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm^2 terminals	ком	1	$32.32	32.32
05.03.03.02.06.09	Attenuator 36W / 100V for wall mounting, with terminal box with 1.5mm^2 terminals	ком	1	$35.17	35.17
05.03.03.02.06.10	Attenuator 100W / 100V for wall mounting, with terminal box with 1.5mm za terminals	ком	1	$77.95	77.95

05.03.03.02.06.11	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals; minimum 4 audio inputs and 4 audio outputs, setup via PC, with LCD display, up to 256 priorities. It controls hundreds of zones and a minimum of 30 other audio network devices. Audio messages can be transferred from a computer in wave format. It has the ability to process audio for all audio outputs and inputs - the parameter equalizer, limiter and gain can be easily determined in the configuration software. Supports redundant connections to computer and audio network. Controls the status of the equipment in the audio system and stores a minimum of 200 error messages. Monitoring audio connections. Complete with required software.Mounting in 19 " rack (PRS-NCO2, PRS-	ком	1	$3,611.33	3,611.33
05.03.03.02.06.12	500W power output amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each channel amplifier, LCD display, 8 control inputs and 4 control outputs, two zones. Each control input has the ability to control open connections and short circuits. Control outputs are programmable. Supports standard EN 54, mounting in 19 "rack (BOSCH PRS-2P250-EU, LBB4440/00, LBB4442/00, Bosch LBB4446/00)	ком	4	$2,441.14	9,764.56
05.03.03.02.06.13	Network interface (Audio / Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks. It contains two optical network connections, two RJ45 Ethernet connectors (remote distribution), 8 controlled control inputs and 5 control outputs with the possibility of installation in a 19 "cabinet. The unit is self-monitoring and constantly reports its status to the network controller. It can also direct audio channels between themselves and other interfaces, in the same or in other audio system networks via WAN, or third parties.Fully programmable and controlled via audio controller.Media transport and system control can be run in encrypted mode for secure applications.Contains DSP processor and VU meter display	ком	1	$2,381.25	2,381.25
05.03.03.02.06.14	Ambient microphone (LBB 9600/20 or equivalent) with bracket	ком	3	$85.55	256.65
	Interface for transition from system cable to optica cable (PRS-FINS or equivalent)	ком	4	$865.14	3,460.56
05.03.03.02.06.15	System cable 2m, (LBB 4416/02 or equivalent)	ком	3	$42.78	128.34
05.03.03.02.06.16	System cable 10m, (LBB 4416/10 or equivalent)	ком	4	$95.06	380.24
05.03.03.02.06.17	System cable 50m, (LBB 4416/50 or equivalent)	ком	2	$274.72	549.44
05.03.03.02.06.18	Equipment required for connecting system cables (LBB 4417/00, or equivalent)	компл	1	$143.54	143.54
05.03.03.02.06.19	Installation cable type:			0.00	
	- LiYCY 2x2.5mm^2	m	1700	$0.93	1,581.00
	- LiHCH 2x2,5mm^2	m	800	$0.99	792.00
	- LiYCY 3x2.5mm^2	m	100	$1.44	144.00
	- LiHCH 3x2,5mm^2	m	150	$1.44	216.00
	- halogen free microphone cable	m	200	$1.90	380.00
	- microphone cable for outdoor installation	m	1100	$9.51	10,461.00
05.03.03.02.06.20	Small and other unspecified materials and works	компл	1	$285.18	285.18
	Beska				
05.03.03.03.06.01	Call station with speaker and microphone on flexible neck, with one button with "all call" function, light indication. Supports redundant connections to the rest of the sound system. It is possible to configure the call station from a network controller. Any faulty operation is controlled by the controller and in the event of a controller failure, evacuation messages may still be issued (LBB 4420/00 or equivalent)	pcs	1	$449.63	449.63
05.03.03.03.06.02	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc. (LBB4432 / 00 or equivalent)	pcs	1	$230.05	230.05
	Ceiling speaker for internal suspended ceiling mounting, supports EN54, IP21 (dimensions in line with the suspended ceiling)				
	- nominal power 6W / 100V with terminals 6/3 / 1.5 / 0.75W				

05.03.03.03.06.03	- SPL (1m / 1W / 1kHz) 89dB	pcs			
	- coverage angle at 1kHz / 4kHz 180 ° / 62 °				
	- frequency range 70Hz- 20kHz,				
	Complete with protective boxes and all mounting accessories (LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)		19	$36.12	686.28
05.03.03.03.06.04	Outdoor line speaker, supports EN54:	pcs			
	- nominal power 60W / 100V with 60/30 / 15W terminals				
	- SPL (1m / 1W / 1kHz) 97dB				
	- vertical radiation angle at 1kHz / 4kHz 55 ° / 18 °				
	- horizontal radiation angle 1kHz / 4kHz 170 ° / 90 °				
	- frequency range 190Hz- 20kHz,				
	Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)		8	$383.09	3,064.72
05.03.03.03.06.05	Horn, IP 65, complete with driver				
	- nominal power 30W / 100V with terminals 30/15 / 7.5W				
	- vertical radiation angle (1kHz / 4kHz) 98 ° / 118 °				
	- horizontal radiation angle (1kHz / 4kHz) 68 °				
	- SPL (1m / 1W / 1kHz) 100dB				
	- frequency range 212Hz- 20kHz				
	Complete with all protective and mounting equipment (LH1-UC30E or equivalent)	pcs	6	$140.69	844.14
05.03.03.03.06.06	Waterproof junction box equipped with a terminal block for parallel separation of the installation	pcs	4	$31.37	125.48
05.03.03.03.06.07	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	45	$31.37	1,411.65
05.03.03.03.06.08	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm za terminals	pcs	2	$32.32	64.64
05.03.03.03.06.09	Attenuator 100W / 100V for wall mounting, with terminal box with 1.5mm za terminals	pcs	1	$77.95	77.95
05.03.03.03.06.10	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals; minimum 4 audio inputs and 4 audio outputs, setup via PC, with LCD display, up to 256 priorities. It controls hundreds of zones and a minimum of 30 other audio network devices. Audio messages can be transferred from a computer in wave format. It has the ability to process audio for all audio outputs and inputs - the parameter equalizer, limiter and gain can be easily determined in the configuration software. Supports redundant connections to computer and audio network. Controls the status of the equipment in the audio system and stores a minimum of 200 error messages. Monitoring audio connections. Complete with required software Mounting in 19 " rack (PRS-NCO3, PRS-	pcs	1	$3,611.33	3,611.33
05.03.03.03.06.11	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel, LCD screen, 8 control inputs and 4 control outputs, two zones. Each control input has the ability to monitor open connections and short circuits. The control outputs are programmable. Supports standard EN 54, mounting in 19 " rack (BOSCH PRS 2P250, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)	pcs	2	$2,441.14	4,882.28
05.03.03.03.06.12	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel, LCD screen, 8 control inputs and 4 control outputs, four zones. Each control input has the ability to monitor open connections and short circuits. The control outputs are programmable. Supports standard EN 54, mounting in 19 " rack, (BOSCH PRS 4P125, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)	pcs	1	$2,746.28	2,746.28

05.03.03.03.06.13	Network interface (Audio / Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks. It contains two optical network connections, two RJ45 Ethernet connectors (remote distribution), 8 controlled control inputs and 5 control outputs with the possibility of installation in a 19 "cabinet. The unit is self-monitoring and constantly reports its status to the network controller. It can also direct audio channels between themselves and other interfaces, in the same or in other audio system networks via WAN, or third parties.Fully programmable and controlled via audio controller.Media transport and system control can be run in encrypted mode for secure applications Contains DSP processor and VU meter display	pcs	1	$2,381.25	2,381.25
05.03.03.03.06.14	Ambient microphone (LBB 9600/20 or equivalent) with a carrier	pcs	2	$85.55	171.10
	Interface for transition from system cable to optical cable （PRS-FINS or equivalent）	pcs	4	$865.14	3,460.56
05.03.03.03.06.15	System cable 2m, (LBB 4416/02 or equivalent)	pcs	4	$42.78	171.12
05.03.03.03.06.16	System cable 10m, (LBB 4416/10 or equivalent)	pcs	2	$95.06	190.12
05.03.03.03.06.17	System cable 50m, (LBB 4416/50 or equivalent)	pcs	2	$274.72	549.44
05.03.03.03.06.18	Equipment required for connecting system cables (LBB 4417/00, or equivalent)	set	1	$143.54	143.54
05.03.03.03.06.19	Installation cable type:			0.00	
	- LiYCY 2x2.5mm^2	m	1100	$0.93	1,023.00
	- LiHCH 2x2,5mm^2	m	600	$0.99	594.00
	- LiYCY 3x2.5mm^2	m	150	$1.44	216.00
	- LiHCH 3x2,5mm^2	m	150	$1.46	219.00
	- halogen free microphone cable	m	100	$1.90	190.00
	- microphone cable for outdoor installation	m	600	$9.51	5,706.00
05.03.03.03.06.19	Small and other unspecified materials and works	set	1	$285.18	285.18
	Karlovci				
05.03.03.04.06.01	Call station with speaker and microphone on flexible neck, with one button with "all call" function, light indication. Supports redundant connections to the rest of the sound system. It is possible to configure the call station from a network controller. Any faulty operation is controlled by the controller and in the event of a controller failure, evacuation messages may still be issued. (LBB 4430/00 or equivalent)	pcs	1	$449.63	449.63
05.03.03.04.06.02	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc. (LBB4432 / 00 or equivalent)	pcs	1	$230.05	230.05
05.03.03.04.06.03	Ceiling speaker for internal suspended ceiling mounting, supports EN54, IP21 (dimensions in line with the suspended ceiling)	pcs			
	- nominal power 6W / 100V with terminals 6/3 / 1.5 / 0.75W				
	- SPL (1m / 1W / 1kHz) 89dB				
	- coverage angle at 1kHz / 4kHz 180 ° / 62 °				
	- frequency range 70Hz- 20kHz,				
	Complete with protective boxes and all mounting accessories (LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)		19	$36.12	686.28
05.03.03.04.06.04.04	Outdoor line speaker, supports EN54:	pcs			
	- nominal power 60W / 100V with 60/30 / 15W terminals				
	- SPL (1m / 1W / 1kHz) 97dB				
	- vertical radiation angle at 1kHz / 4kHz 55 ° / 18 °				
	- horizontal radiation angle 1kHz / 4kHz 170 ° / 90 °				
	- frequency range 190Hz- 20kHz,				
	Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)		8	$383.09	3,064.72
05.03.03.04.06.05	Horn, IP 65, complete with driver				
	- nominal power 30W / 100V with terminals 30/15 / 7.5W				
	- vertical radiation angle (1kHz / 4kHz) 98 ° / 118 °				
	- horizontal radiation angle (1kHz / 4kHz) 68 °				
	- SPL (1m / 1W / 1kHz) 100dB				

	- frequency range 212Hz- 20kHz				
	Complete with all protective and mounting equipment (LH1-UC30E or equivalent)	pcs	6	$140.69	844.14
05.03.03.04.06.06	Waterproof junction box equipped with a terminal block for parallel separation of the installation	pcs	4	$31.37	125.48
05.03.03.04.06.07	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	45	$31.37	1,411.65
05.03.03.04.06.08	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm za terminals	pcs	2	$32.32	64.64
05.03.03.04.06.09	Attenuator 100W / 100V for wall mounting, with terminal box with 1.5mm za terminals	pcs	1	$77.95	77.95
05.03.03.04.06.10	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals; minimum 4 audio inputs and 4 audio outputs, setup via PC, with LCD display, up to 256 priorities. It controls hundreds of zones and a minimum of 30 other audio network devices. Audio messages can be transferred from a computer in wave format. It has the ability to process audio for all audio outputs and inputs - the parameter equalizer, limiter and gain can be easily determined in the configuration software. Supports redundant connections to computer and audio network. Controls the status of the equipment in the audio system and stores a minimum of 200 error messages. Monitoring audio connections. Complete with required software Mounting in 19 " rack (PRS-NCO3 PRS	pcs	1	$3,611.33	3,611.33
05.03.03.04.06.11	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel, LCD screen, 8 control inputs and 4 control outputs, two zones. Each control input has the ability to monitor open connections and short circuits. The control outputs are programmable. Supports standard EN 54, mounting in 19 " rack (BOSCH PRS 2P250, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)	pcs	2	$2,441.14	4,882.28
05.03.03.04.06.12	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel, LCD screen, 8 control inputs and 4 control outputs, four zones. Each control input has the ability to monitor open connections and short circuits. The control outputs are programmable. Supports standard EN 54, mounting in 19 " rack, (BOSCH PRS 4P125, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)	pcs	1	$2,746.28	2,746.28
05.03.03.04.06.13	Network interface (Audio / Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks. It contains two optical network connections, two RJ45 Ethernet connectors (remote distribution), 8 controlled control inputs and 5 control outputs with the possibility of installation in a 19 "cabinet. The unit is self-monitoring and constantly reports its status to the network controller. It can also direct audio channels between themselves and other interfaces, in the same or in other audio system networks via WAN, or third parties.Fully programmable and controlled via audio controller.Media transport and system control can be run in encrypted mode for secure applications Contains DSP processor and VU meter display	pcs	1	$2,381.25	2,381.25
05.03.03.04.06.14	Ambient microphone (LBB 9600/20 or equivalent) with a carrier	pcs	2	$85.55	171.10
	Interface for transition from system cable to optical cable （PRS-FINS or equivalent）	pcs	4	$865.14	3,460.56
05.03.03.04.06.15	System cable 2m, (LBB 4416/02 or equivalent)	pcs	4	$42.78	171.12
05.03.03.04.06.16	System cable 10m, (LBB 4416/10 or equivalent)	pcs	2	$95.06	190.12
05.03.03.04.06.17	System cable 50m, (LBB 4416/50 or equivalent)	pcs	2	$274.72	549.44
05.03.03.04.06.18	Equipment required for connecting system cables (LBB 4417/00, or equivalent)	set	1	$143.54	143.54
	Installation cable type:			0.00	
	- LiYCY 2x2.5mm²	m	650	$0.93	604.50
	- LiHCH 2x2,5mm²	m	600	$0.99	594.00

05.03.03.04.06.19	- LiYCY 3x2.5mm²	m	150	$1.44	216.00
	- LiHCH 3x2,5mm²	m	150	$1.46	219.00
	- halogen free microphone cable	m	150	$1.90	285.00
	- microphone cable for outdoor installation	m	500	$9.51	4,755.00
05.03.03.04.06.20	Small and other unspecified materials and works	set	1	$285.18	285.18
	Petrovaradin				
05.03.03.05.06.01	Call station with speaker and microphone on flexible neck, with one button with "all call" function, light indication. Supports redundant connections to the rest of the sound system. It is possible to configure the call station from a network controller. Any faulty operation is controlled by the controller and in the event of a controller failure, evacuation messages may still be issued (LBB 4430/00 or equivalent)	pcs	1	$449.63	449.63
05.03.03.05.06.02	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc. (LBB4432 / 00 or equivalent)	pcs	1	$230.05	230.05
05.03.03.05.06.03	Ceiling speaker for internal suspended ceiling mounting, supports EN54, IP21 (dimensions in line with the suspended ceiling)	pcs			
	- nominal power 6W / 100V with terminals 6/3 / 1.5 / 0.75W				
	- SPL (1m / 1W / 1kHz) 89dB				
	- coverage angle at 1kHz / 4kHz 180 ° / 62 °				
	- frequency range 70Hz- 20kHz,				
	Complete with protective boxes and all mounting accessories (LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)		16	$36.12	577.92
05.03.03.05.06.04	Outdoor line speaker, supports EN54:	pcs			
	- nominal power 60W / 100V with 60/30 / 15W terminals				
	- SPL (1m / 1W / 1kHz) 97dB				
	- vertical radiation angle at 1kHz / 4kHz 55 ° / 18 °				
	- horizontal radiation angle 1kHz / 4kHz 170 ° / 90 °				
	- frequency range 190Hz- 20kHz,				
	Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)		8	$383.09	3,064.72
05.03.03.05.06.05	Horn, IP 65, complete with driver				
	- nominal power 30W / 100V with terminals 30/15 / 7.5W				
	- vertical radiation angle (1kHz / 4kHz) 98 ° / 118 °				
	- horizontal radiation angle (1kHz / 4kHz) 68 °				
	- SPL (1m / 1W / 1kHz) 100dB				
	- frequency range 212Hz- 20kHz				
	Complete with all protective and mounting equipment (LH1-UC30E or equivalent)	pcs	7	$140.69	984.83
05.03.03.05.06.06	Waterproof junction box equipped with a terminal block for parallel separation of the installation	pcs	4	$31.37	125.48
05.03.03.05.06.07	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	40	$31.37	1,254.80
05.03.03.05.06.08	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm za terminals	pcs	1	$32.32	32.32
05.03.03.05.06.09	Attenuator 36W / 100V for wall mounting, with terminal box with 1.5mm² terminals	pcs	2	$35.17	70.34

05.03.03.05.06.10	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals; minimum 4 audio inputs and 4 audio outputs, setup via PC, with LCD display, up to 256 priorities. It controls hundreds of zones and a minimum of 30 other audio network devices. Audio messages can be transferred from a computer in wave format. It has the ability to process audio for all audio outputs and inputs - the parameter equalizer, limiter and gain can be easily determined in the configuration software. Supports redundant connections to computer and audio network. Controls the status of the equipment in the audio system and stores a minimum of 200 error messages. Monitoring audio connections. Complete with required software Mounting in 19 " rack (PRS-NCO3 PRS	pcs	1	$3,611.33	3,611.33
05.03.03.05.06.11	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel, LCD screen, 8 control inputs and 4 control outputs, two zones. Each control input has the ability to monitor open connections and short circuits. The control outputs are programmable. Supports standard EN 54, mounting in 19 " rack (BOSCH PRS 2P250, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)	pcs	2	$2,441.14	4,882.28
05.03.03.05.06.12	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel, LCD screen, 8 control inputs and 4 control outputs, four zones. Each control input has the ability to monitor open connections and short circuits. The control outputs are programmable. Supports standard EN 54, mounting in 19 " rack, (BOSCH PRS 4P125, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)	pcs	1	$2,746.28	2,746.28
05.03.03.05.06.13	Network interface (Audio / Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks. It contains two optical network connections, two RJ45 Ethernet connectors (remote distribution), 8 controlled control inputs and 5 control outputs with the possibility of installation in a 19 "cabinet. The unit is self-monitoring and constantly reports its status to the network controller. It can also direct audio channels between themselves and other interfaces, in the same or in other audio system networks via WAN, or third parties.Fully programmable and controlled via audio controller.Media transport and system control can be run in encrypted mode for secure applications Contains DSP processor and VU meter display	pcs	1	$2,381.25	2,381.25
05.03.03.05.06.14	Ambient microphone (LBB 9600/20 or equivalent) with a carrier	pcs	2	$85.55	171.10
	Interface for transition from system cable to optical cable （PRS-FINS or equivalent）	pcs	4	$865.14	3,460.56
05.03.03.05.06.15	System cable 2m, (LBB 4416/02 or equivalent)	pcs	5	$42.78	213.90
05.03.03.05.06.16	System cable 10m, (LBB 4416/10 or equivalent)	pcs	2	$95.06	190.12
05.03.03.05.06.17	System cable 50m, (LBB 4416/50 or equivalent)	pcs	1	$274.72	274.72
05.03.03.05.06.18	Equipment required for connecting system cables (LBB 4417/00, or equivalent)	set	1	$143.54	143.54
05.03.03.05.06.19	Installation cable type:			0.00	
	- LiYCY 2x2.5mm^2	m	1300	$0.93	1,209.00
	- LiHCH 2x2,5mm^2	m	400	$0.99	396.00
	- LiYCY 3x2.5mm^2	m	100	$1.44	144.00
	- LiHCH 3x2,5mm^2	m	70	$1.46	102.20
	- halogen free microphone cable	m	100	$1.90	190.00
	- microphone cable for outdoor installation	m	800	$9.51	7,608.00
05.03.03.05.06.20	Small and other unspecified materials and works	set	1	$285.18	285.18

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Whole Line**				
05.03.03.01.07.02	Master clock for synchronization of side wristwatches with NTP signal for mounting in the river. NTP client and server for synchronization via Ethternet network. It has the ability to synchronize via GPS signals and NT inputs. Complete with GPS antenna for receiving satellite time signal, cables and all the necessary equipment for outdoor installation and connection to the master clock. Compatible with existing / planned equipment (master clock ...) and with the possibility of geo-redundant work with existing / planned master clock (Bodet Microquartz Sigma Mod or equivalent)	ком	1	$3,802.40	3,802.40
05.03.03.01.07.03	System configuration, issuance of certificates and commissioning (for the entire section)	ком	1	$19,600.00	19,600.00
05.03.03.01.07.04	User training (for the whole section)	ком	1	$1,960.00	1,960.00
05.03.03.01.07.05	Design and preparation of documentation (for the whole section)	ком	1	$3,920.00	3,920.00
	Indjija				
05.03.03.02.07.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	ком	13	$192.97	2,508.61
05.03.03.02.07.02	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)	ком	1	$1,738.65	1,738.65
05.03.03.02.07.03	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent) (offered Bodet: PROFILE 960E DF NTP 230)	ком	5	$2,597.99	12,989.95
05.03.03.02.07.04	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	ком	13	$59.89	778.57
05.03.03.02.07.05	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works	ком	6	$195.82	1,174.92
05.03.03.02.07.06	Small and other unspecified materials and works	ком	1	$285.18	285.18
	Beška station				
05.03.03.03.07.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	8	$192.97	1,543.76
05.03.03.03.07.02	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)	pcs	1	$1,738.65	1,738.65
05.03.03.03.07.03	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent) (offered Bodet: PROFILE 960E DF NTP 230)	pcs	2	$2,597.99	5,195.98
05.03.03.03.07.04	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	8	$59.89	479.12

05.03.03.03.07.05	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works	pcs	3	$195.82	587.46
05.03.03.03.07.06	Small and other unspecified materials and works	set	1	$285.18	285.18
	Karlovci				
05.03.03.04.07.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	8	$192.97	1,543.76
05.03.03.04.07.02	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)	pcs	1	$1,738.65	1,738.65
05.03.03.04.07.03	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent) (offered Bodet: PROFILE 960E DF NTP 230)	pcs	2	$2,597.99	5,195.98
05.03.03.04.07.04	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	8	$59.89	479.12
05.03.03.04.07.05	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works	pcs	3	$195.82	587.46
05.03.03.04.07.06	Small and other unspecified materials and works	set	1	$285.18	285.18
	Petrovaradin station				
05.03.03.05.07.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	9	$192.97	1,736.73
05.03.03.05.07.02	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)	pcs	1	$1,738.65	1,738.65
05.03.03.05.07.03	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent) (offered Bodet: PROFILE 960E DF NTP 230)	pcs	4	$2,597.99	10,391.96
05.03.03.05.07.04	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	9	$59.89	539.01
05.03.03.05.07.05	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works	pcs	5	$195.82	979.10
05.03.03.05.07.06	Small and other unspecified materials and works	set	1	$285.18	285.18
	HUNDRED KARLOVAC VINEYARDS				
05.03.03.06.06.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	4	$192.97	771.88
05.03.03.06.06.02	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)	pcs	1	$1,738.65	1,738.65
05.03.03.06.06.04	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	4	$59.89	239.56

05.03.03.06.06.05	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works	pcs	1	$195.82	195.82
05.03.03.06.06.06	Small and other unspecified materials and works	set	1	$285.18	285.18
	EVP Indjija				
05.03.03.08.01.05.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	2	$192.97	385.94
05.03.03.08.01.05.02	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	2	$59.89	119.78
05.03.03.08.01.05.03	Small and other unspecified materials and works	set	1	$47.53	47.53
	PSN Beska				
05.03.03.08.02.05.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	1	$192.97	192.97
05.03.03.08.02.05.02	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	1	$59.89	59.89
05.03.03.08.02.05.03	Small and other unspecified materials and works	set	1	$47.53	47.53
	PS Sremski Karlovci				
05.03.03.08.03.05.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	1	$192.97	192.97
05.03.03.08.03.05.02	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	1	$59.89	59.89
05.03.03.08.03.05.03	Small and other unspecified materials and works	set	1	$47.53	47.53
	OGF Indjija pustara				
05.03.03.09.04.01	Single-sided IP analog slave clock, synchronized by NTP signal, indoor mounted. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	1	$192.97	192.97
05.03.03.09.04.02	Fixing bracket for single- or double-sided analog slave clock, diameter 30cm, indoor mounting. With all the necessary material and works	pcs	1	$59.89	59.89
05.03.03.09.04.03	Small sundry items and other unspecified material and works	set	1	$47.53	47.53
	OGF BTS				
05.03.03.10.04.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	2	$192.97	385.94
05.03.03.10.04.02	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	2	$59.89	119.78
05.03.03.10.04.03	Small and other unspecified materials and works	set	2	$47.53	95.06
	Power plants				
05.03.03.10.05.01	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)	pcs	2	$192.97	385.94
05.03.03.10.05.02	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works	pcs	2	$59.89	119.78
05.03.03.10.05.03	Small and other unspecified materials and works	set	2	$47.53	95.06

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Whole Line**				
05.03.03.01.08.01	System configuration, issuance of certificates and commissioning (for the entire section)	SET	1	19,600.00	19,600.00
05.03.03.01.08.02	User training (for the whole section)	SET	1	1,960.00	1,960.00
05.03.03.01.08.03	Design and preparation of documentation (for the whole section)	SET	1	3,920.00	3,920.00
	Indjija				
05.03.03.02.08.01	TFT information display for indoor mounting, E-LED lighting, size 32 ", 16: 9 format. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 350 cd / m2, contrast 3000: 1, background lighting.Integrated industrial PC.	ком	2	3,612.28	7,224.56
05.03.03.02.08.02	TFT information display for outdoor installation, E-LED lighting, size 42 ", 16: 9 format. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 700 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	ком	1	6,610.47	6,610.47
05.03.03.02.08.03	TFT information display for outdoor installation, E-LED lighting, size 32 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 450 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	ком	10	5,069.55	50,695.50
05.03.03.02.08.04	Bracket for placing a single-sided board with all the necessary material	ком	2	389.75	779.49
05.03.03.02.08.05	Bracket for placing a double-sided board with all the necessary material	ком	5	776.64	3,883.20
05.03.03.02.08.06	Small and other unspecified materials and	компл	1	475.30	475.30
	Beška				
05.03.03.03.08.01	TFT information display for indoor installation, E-LED lighting, size 32 ", 16: 9 format. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , illumination minimum 350 cd / m2, contrast 3000: 1, background lighting.Integrated industrial PC.	pcs	1	3,612.28	3,612.28
05.03.03.03.08.02	TFT information display for outdoor mounting, E-LED lighting, size 42 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 700 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	pcs	1	6,610.47	6,610.47
05.03.03.03.08.03	TFT information display for outdoor installation, E-LED lighting, size 32 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 450 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	pcs	4	5,069.55	20,278.20

05.03.03.03.08.04	Bracket for placing a single-sided board with all the necessary material	pcs	2	389.75	779.49
05.03.03.03.08.05	Bracket for placing a double-sided board with all the necessary material	pcs	2	776.64	1,553.28
05.03.03.03.08.06	Small and other unspecified materials and	set	1	475.30	475.30
	Karlovci				
05.03.03.04.08.01	TFT information display for indoor installation, E-LED lighting, size 32 ", 16: 9 format. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , illumination minimum 350 cd / m2, contrast 3000: 1, background lighting.Integrated industrial PC.	pcs	1	3,612.28	3,612.28
05.03.03.04.08.02	TFT information display for outdoor mounting, E-LED lighting, size 42 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 700 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	pcs	1	6,610.47	6,610.47
05.03.03.04.08.03	TFT information display for outdoor installation, E-LED lighting, size 32 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 450 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	pcs	4	5,069.55	20,278.20
05.03.03.04.08.04	Bracket for placing a single-sided board with all the necessary material	pcs	2	389.75	779.49
05.03.03.04.08.05	Bracket for placing a double-sided board with all the necessary material	pcs	2	776.64	1,553.28
05.03.03.04.08.06	Small and other unspecified materials and	set	1	475.30	475.30
	Petrovaradin				
05.03.03.05.08.01	TFT information display for indoor installation, E-LED lighting, size 32 ", 16: 9 format. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , illumination minimum 350 cd / m2, contrast 3000: 1, background lighting.Integrated industrial PC.	pcs	1	3,612.28	3,612.28
05.03.03.05.08.02	TFT information display for outdoor mounting, E-LED lighting, size 42 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 700 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	pcs	1	6,610.47	6,610.47
05.03.03.05.08.03	TFT information display for outdoor installation, E-LED lighting, size 32 ", format 16: 9. Resolution minimum: 1920 x 1080 (HD), viewing angle 178 ° , brightness minimum 450 cd / m2, contrast 1300: 1, background lighting.Integrated industrial PC.	pcs	8	5,069.55	40,556.40
05.03.03.05.08.04	Bracket for placing a single-sided board with all the necessary material	pcs	2	389.75	779.49
05.03.03.05.08.05	Bracket for placing a double-sided board with all the necessary material	pcs	4	776.64	3,106.56
05.03.03.05.08.06	Small and other unspecified materials and	set	1	475.30	475.30

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Whole Line**				
05.03.03.01.11.02	System configuration, issuance of certificates and commissioning (for the entire section)	Set	1	$ 6,860.00	6,860.00
05.03.03.01.11.03	User training (for the whole section)	Set	1	$ 1,470.00	1,470.00
05.03.03.01.11.04	Design and preparation of documentation (for the whole section)	Set	1	$ 2,940.00	2,940.00
	Indjija				
05.03.03.02.13.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 12 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	ком	1	$ 480.05	480.05
05.03.03.02.13.02	Door Close Sensor (NBES0302 or equivalent)	ком	1	$ 16.16	16.16
05.03.03.02.13.03	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	ком	1	$ 52.28	52.28
05.03.03.02.13.04	Temperature sensor (AP9335T or equivalent)	ком	1	$ 114.07	114.07
05.03.03.02.13.05	NO / NC input monitoring sensor for other equipment complete with cable length of approx. 4.5 m (NBES0304 or equivalent)	ком	1	$ 7.60	7.60
05.03.03.02.13.06	System cables and equipment for connecting sensors to the central unit	Set	1	$ 380.24	380.24
05.03.03.02.13.07	Small and other unspecified materials and works	Set	1	$ 237.65	237.65
	Building for SS&TT				
05.03.03.02.13.09	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	ком	1	$ 480.05	480.05
05.03.03.02.13.10	Door Close Sensor (NBES0302 or equivalent)	ком	2	$ 16.16	32.32
05.03.03.02.13.11	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	ком	2	$ 52.28	104.56
05.03.03.02.13.12	Temperature sensor (AP9335T or equivalent)	ком	8	$ 114.07	912.56
05.03.03.02.13.13	Temperature and humidity sensor (AP9335TH or equivalent)	ком	1	$ 114.07	114.07
05.03.03.02.13.14	NO / NC input monitoring sensor for other equipment complete with cable length of approx. 4.5 m (NBES0304 or equivalent)	ком	4	$ 7.60	30.40
05.03.03.02.13.15	System cables and equipment for connecting sensors to the central unit	Set	1	$ 380.24	380.24
05.03.03.02.13.16	Small and other unspecified materials and works	Set	1	$ 237.65	237.65
	Beska				
05.03.03.03.13.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 12 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.03.13.02	Door Close Sensor (NBES0302 or equivalent)	pcs	1	$ 16.16	16.16
05.03.03.03.13.03	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	1	$ 52.28	52.28

05.03.03.03.13.04	Temperature sensor (AP9335T or equivalent)	pcs	1	$ 114.07	114.07
05.03.03.03.13.05	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	1	$ 7.60	7.60
05.03.03.03.13.06	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.03.13.07	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	Building for SS&TT				
05.03.03.03.13.10	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.03.13.11	Door Close Sensor (NBES0302 or equivalent)	pcs	2	$ 16.16	32.32
05.03.03.03.13.12	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	2	$ 52.28	104.56
05.03.03.03.13.13	Temperature sensor (AP9335T or equivalent)	pcs	10	$ 114.07	1,140.70
05.03.03.03.13.14	Temperature and humidity sensor (AP9335TH or equivalent)	pcs	1	$ 114.07	114.07
05.03.03.03.13.15	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	4	$ 7.60	30.40
05.03.03.03.13.16	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.03.13.17	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	Karlovci				
05.03.03.04.13.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 12 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.04.13.02	Door Close Sensor (NBES0302 or equivalent)	pcs	1	$ 16.16	16.16
05.03.03.04.13.03	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	1	$ 52.28	52.28
05.03.03.04.13.04	Temperature sensor (AP9335T or equivalent)	pcs	1	$ 114.07	114.07
05.03.03.04.13.05	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	1	$ 7.60	7.60
05.03.03.04.13.06	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.04.13.07	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	Building for SS&TT				
05.03.03.04.13.09	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.04.13.10	Door Close Sensor (NBES0302 or equivalent)	pcs	2	$ 16.16	32.32
05.03.03.04.13.11	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	2	$ 52.28	104.56
05.03.03.04.13.12	Temperature sensor (AP9335T or equivalent)	pcs	10	$ 114.07	1,140.70
05.03.03.04.13.13	Temperature and humidity sensor (AP9335TH or equivalent)	pcs	1	$ 114.07	114.07

05.03.03.04.13.14	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	4	$ 7.60	30.40
05.03.03.04.13.15	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.04.13.16	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	Karlovac vineyards				
05.03.03.06.10.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 18 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.06.10.02	Door Close Sensor (NBES0302 or equivalent)	pcs	1	$ 16.16	16.16
05.03.03.06.10.03	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	2	$ 52.28	104.56
05.03.03.06.10.04	Temperature sensor (AP9335T or equivalent)	pcs	4	$ 114.07	456.28
05.03.03.06.10.05	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	2	$ 7.60	15.20
05.03.03.06.10.06	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.06.10.07	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	Petrovaradin station				
05.03.03.05.13.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC NetBotz 200, NBOD0150 or equivalent)	pcs	1	$ 480.05	480.05
05.03.03.05.13.02	Door Close Sensor (NBES0302 or equivalent)	pcs	2	$ 16.16	32.32
05.03.03.05.13.03	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	2	$ 52.28	104.56
05.03.03.05.13.04	Temperature sensor (AP9335T or equivalent)	pcs	8	$ 114.07	912.56
05.03.03.05.13.05	Temperature and humidity sensor (AP9335TH or equivalent)	pcs	1	$ 114.07	114.07
05.03.03.05.13.06	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)	pcs	4	$ 7.60	30.40
05.03.03.05.13.07	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.05.13.08	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	EVP Indjija				

05.03.03.08.01.10.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 36 universal sensors). . Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.08.01.10.02	Door Close Sensor (NBES0302 or equivalent)	pcs	1	$ 16.16	16.16
05.03.03.08.01.10.03	Liquid leak sensor approx. 6m long (NBES0308 or equivalent)	pcs	1	$ 211.03	211.03
05.03.03.08.01.10.04	Fluid leak sensor extension about 6m long (NBES0309 or equivalent)	pcs	4	$ 21.86	87.44
05.03.03.08.01.10.05	Temperature sensor (AP9335T or equivalent)	pcs	12	$ 114.07	1,368.84
05.03.03.08.01.10.06	Temperature and humidity sensor (AP9335TH or equivalent)	pcs	2	$ 114.07	228.14
05.03.03.08.01.10.07	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	9	$ 7.60	68.40
05.03.03.08.01.10.08	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.08.01.10.09	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	OGF Indjija pustara				
05.03.03.09.09.01	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	1	$ 480.05	480.05
05.03.03.09.09.02	Door Close Sensor (NBES0302 or equivalent)	pcs	2	$ 16.16	32.32
05.03.03.09.09.03	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	2	$ 52.28	104.56
05.03.03.09.09.04	Temperature sensor (AP9335T or equivalent)	pcs	5	$ 114.07	570.35
05.03.03.09.09.05	Temperature and humidity sensor (AP9335TH or equivalent)	pcs	1	$ 114.07	114.07
05.03.03.09.09.06	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	4	$ 7.60	30.40
05.03.03.09.09.07	System cables and equipment for connecting sensors to the central unit	set	1	$ 380.24	380.24
05.03.03.09.09.08	Small and other unspecified materials and works	set	1	$ 237.65	237.65
	OGF BTS （Tunnel）				
05.03.03.10.09.0	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors). Equipped with temperature / humidity sensor. Complete with power supply, equipment for installation in the cabinet and other equipment for installation and connection. (APC	pcs	4	$ 480.05	1,920.20
05.03.03.10.09.0	Door Close Sensor (NBES0302 or equivalent)	pcs	8	$ 16.16	129.28
05.03.03.10.09.0	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)	pcs	8	$ 52.28	418.24
05.03.03.10.09.0	Temperature sensor (AP9335T or equivalent)	pcs	20	$ 114.07	2,281.40
05.03.03.10.09.0	Temperature and humidity sensor (AP9335TH or equivalent)	pcs	4	$ 114.07	456.28
05.03.03.10.09.0	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or	pcs	16	$ 7.60	121.60
05.03.03.10.09.0	System cables and equipment for connecting sensors to the central unit	set	4	$ 380.24	1,520.96
05.03.03.10.09.0	Small and other unspecified materials and works	set	4	$ 237.65	950.60

Br.	Description of works	Unit	Quantity	Unit price ($)	Price ($)
			A	B	AxB
3	**Whole Line**				
05.03.03.01.12.02	Interface connection	ком	4	$39.93	159.72
05.03.03.01.12.03	System configuration, issuance of certificates and commissioning (for the	Set	1	$6,860.00	6,860.00
05.03.03.01.12.04	User training (for the whole section)	Set	1	$1,470.00	1,470.00
05.03.03.01.12.05	Design and preparation of documentation (for the whole section)	Set	1	$2,450.00	2,450.00
	Indjija				
05.03.03.02.12.01	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network. Complete with power supply unit and all	ком	1	$513.32	513.32
05.03.03.02.12.02	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls. Complete with all mounting equipment.	ком	1	$85.55	85.55
05.03.03.02.12.03	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)	ком	2	$26.62	53.24
05.03.03.02.12.04	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet	ком	1	$17.11	17.11
05.03.03.02.12.05	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	ком	2	$34.22	68.44
05.03.03.02.12.06	Installation cable type:			0	
	JH (St) H 3x2x0.8	m	50	$0.70	35.00
	JH (St) H 2x2x0.6	m	40	$0.45	18.00
05.03.03.02.12.07	Small and other unspecified materials and works	Set	1	$28.52	28.52
	Beska				
05.03.03.03.12.01	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network. Complete with power supply unit and all	pcs	1	$513.32	513.32
05.03.03.03.12.02	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls. Complete with all mounting equipment.	pcs	1	$85.55	85.55
05.03.03.03.12.03	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)	pcs	2	$26.62	53.24
05.03.03.03.12.04	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet	pcs	1	$17.11	17.11

05.03.03.03.12.05	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	2	$34.22	68.44
05.03.03.03.12.06	Installation cable type:			0	
	JH (St) H 3x2x0.8	m	50	$0.70	35.00
	JH (St) H 2x2x0.6	m	40	$0.45	18.00
05.03.03.03.12.07	Small and other unspecified materials and works	set	1	$28.52	28.52
	Karlovci				
05.03.03.04.12.01	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network. Complete with power supply unit and all	pcs	1	$513.32	513.32
05.03.03.04.12.02	Calling resolution combination. It has the following functions: recciving information from the call keys, transferring information to the central panel, resolving calls. Complete with all mounting equipment.	pcs	1	$85.55	85.55
05.03.03.04.12.03	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)	pcs	2	$26.62	53.24
05.03.03.04.12.04	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet	pcs	1	$17.11	17.11
05.03.03.04.12.05	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	2	$34.22	68.44
05.03.03.04.12.06	Installation cable type:			0	
	JH (St) H 3x2x0.8	m	50	$0.70	35.00
	JH (St) H 2x2x0.6	m	40	$0.45	18.00
05.03.03.04.12.07	Small and other unspecified materials and works	set	1	$28.52	28.52
	Petrovaradin				
05.03.03.05.12.01	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network. Complete with power supply unit and all	pcs	1	$513.32	513.32
05.03.03.05.12.02	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls. Complete with all mounting equipment.	pcs	1	$85.55	85.55
05.03.03.05.12.03	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)	pcs	2	$26.62	53.24
05.03.03.05.12.04	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet	pcs	1	$17.11	17.11
05.03.03.05.12.05	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	2	$34.22	68.44
05.03.03.05.12.	Installation cable type:				

05.03.03.05.12.06	JH (St) H 3x2x0.8	m	50	$0.70	35.00
	JH (St) H 2x2x0.6	m	40	$0.47	18.80
05.03.03.05.12.07	Small and other unspecified materials and works	set	1	$28.52	28.52
	Facility 4				
05.03.06.06.01	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network. Complete with power supply unit and all	pcs	1	$513.32	513.32
05.03.06.06.02	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls. Complete with all mounting equipment.	pcs	1	$85.55	85.55
05.03.06.06.03	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)	pcs	1	$26.62	26.62
05.03.06.06.04	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet	pcs	1	$17.11	17.11
05.03.06.06.05	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements	pcs	1	$34.22	34.22
05.03.06.06.06	Installation cable type:			0	0.00
	JH (St) H 3x2x0.8	m	30	$0.70	21.00
	JH (St) H 2x2x0.6	m	20	$0.45	9.00
05.03.06.06.07	Small and other unspecified materials and works	set	1	$28.52	28.52

Br.	Description of works	Unit	Quantity	Unit price ($)	Price ($)
			A	B	AxB
3	**Regional Beograd Centar**				
05.03.03.01.10.01	Procurement and delivery of the license package for additional 32 ports of the security systems integration system (compatible with the planned security system at the central station - ownership of the ISR) (BIS-XACE-	pcs	1	$1,501.95	1,501.95
05.03.03.01.10.02	Procurement and delivery of the license package for additional 1000 elements of the security system integration system (compatible with the planned security system in the central station - ownership of the ISR)	pcs	3	$2,138.85	6,416.55
05.03.03.01.10.03	Appropriate servers for software instalation. Completed with system cables and all necessary equipment. (BOSCH MHW-S380RA-SC or equivalent)	pcs	1	$7,170.01	7,170.01
05.03.03.01.10.04	SQL data base (compatible with the planned security system in the central station - ownership of the ISR)	pcs	1	$1,960.00	1,960.00
05.03.03.01.10.05	**Sub regional Indjija**				
05.03.03.01.10.06	System computer (MHW-WZ2G4-NG or equvivalent)	pcs	2	$3,773.00	7,546.00
	Regional Novi Sad				
	License for interconnection of integration software with video management software, (compatible with the planned security system in the central station -ownership of the ISR) (BIS-FGEN-BVMS48 or equivalent)	pcs	1	$1,663.55	1,663.55
	Additional licence for highly sophisticated system for managing and safe operation of alarm systems and fire alarm systems, public announcement... Simple integration and configuration of the subsystems through the OPC standard. Automatization of urgent responses to subsystems' alarms using user defined rules (compatible with planned security system at central station - ownership of ISR) (BIS-BGEN-B48, BIS-FAUE-BPA48 and	pcs	1	$6,671.45	6,671.45
	License for Alarm Management Package. Contains message distribution, timer, operators alarms, (compatible with the planned security system at the central station - ownership of the ISR) (BIS-FGEN-	pcs	1	$2,152.08	2,152.08
	Procurement and delivery of the license package for additional 32 ports of the security systems integration system (compatible with the planned security system at the central station - ownership of the ISR) (BIS-XACE-	pcs	1	$1,501.95	1,501.95
	Additional license for one operator place, (compatible with the planned security system in the central station - ownership ofthe ISR)(BOSCHBIS-XGEN-1CLI48 or P	pcs	1	$769.99	769.99
	Procurement and delivery of the license package for additional 1000 elements of the security system integration system (compatible with the planned security system in the central station - ownership of the ISR)	pcs	2	$2,138.85	4,277.70
	Appropriate servers for software instalation. Completed with system cables and all necessary equipment. (BOSCH MHW-S380RA-SC or equivalent)	pcs	2	$7,170.01	14,340.02
	SQL data base (compatible with the planned security system in the central station - ownership of the ISR)	pcs	1	$1,960.00	1,960.00
	Entire section				
	System configuration, issuing of attestation and Commissioning including all necessary software, works,... (for the whole section)	pcs	1	$44,100.00	44,100.00
	User training (for the entire section)	pcs	1	$4,900.00	4,900.00

	Designing and preparation of documentation (for the entire section)	pcs	1	$19,600.00	19,600.00
	Novi Sad				
05.03.03.01.07.0	Addressable fire control panel (FPA-5000 or equivalent) that supports the EN54 and VdS standard, equipped with the following elements:				
	- steel housing (wall mounting) with cover				
	- rail panel for installing functional modules				
	- holder for four batteries and power supply units				
	- panel controller with operating screen in Serbian language (possibility of connecting a printer)				
	- power supply unit, 24V / 5A				
	- USB, CAN, Ethernet interfaces				
	- media converter with 1 10 / 100BASE-TX port all equipment needed to connect the control panel to 2 SM				
	- Fast Ethernet switch with 6 10 / 100BASE-TX and 2 100BASE-FX ports and all necessary equipment for exchange of the exchange and connection to 2 SM FO				
	- software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC (ADC-5000-OPC OPC license key or equivalent)				
	- interface module for connecting to the workstation				
	- two functional modules (LSN1500A) for one addressable loop, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per loop up to 300mA				
	- battery control module				
	- module for calling two lines of alarm sirens				
	- an address card that allocates 128 points in the system	ком	1	$3,792.89	3,792.89
05.03.03.01.07.03	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	ком	1	$75.10	75.10
05.03.03.01.07.04	Rechargeable battery 12 VDC, 40Ah.	ком	2	$131.18	262.36
05.03.03.01.07.05	Parallel panel (FMR 5000 or equivalent)	ком	1	$738.62	738.62
05.03.03.01.07.06	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installation and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode (VD-710 ParaVox or equivalent)	ком	1	$148.29	148.29
05.03.03.01.07.08	- system cable for parallel board	m	30	$1.90	57.00
05.03.03.01.07.09	Small installation material (bag screws, arc clamps,	компл	1	$256.66	256.66

Br.	Description of works	Unit	Quantity	Unit price ($)	Price ($)
			A	B	AxB
	Indjija				
05.03.03.02.10.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	ком	1	$270.92	270.92
05.03.03.02.10.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for integration of security systems via Internet Protocol (IP). External CAN bus - up to 1000m in total length; allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency.The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming.This allows on-site software upgrades or updates or from a remote location (IP through Ethernet) .It is VdS certified.	ком	1	$475.30	475.30
05.03.03.02.10.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH ICP-MAP0010 or equivalent.	ком	1	$174.91	174.91
05.03.03.02.10.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. Provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	ком	1	$152.10	152.10
05.03.03.02.10.05	Power supply 150W. Provides two independent power outputs with fixed 28 VDC. Provides 150W for battery charging and system power supply. Provides controlled nominal power output for 500mA, 24 VDC. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual monitoring Provides battery load protection. BOSCH IPP-MAP0005-2 or equivalent.	ком	1	$286.13	286.13
05.03.03.02.10.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent	ком	2	$127.38	254.76
05.03.03.02.10.07	Sensor with PIR and microwave detection. Alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment	ком	9	$34.22	307.98
05.03.03.02.10.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic mid-noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	ком	11	$46.58	512.38

05.03.03.02.10.09	Indoor siren. Nominal power of 117 dBA. This siren is protected from unauthorized opening of the cover and from the removal of the base from the wall. The siren has the possibility of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	ком	3	$74.15	222.45
05.03.03.02.10.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging control voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	ком	3	$133.08	399.24
05.03.03.02.10.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	ком	3	$24.72	74.16
05.03.03.02.10.12	Keyboard, 14cm touchscreen LCD. The touchscreen provides a permanent graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. Users directly by touching the image on the screen can arm the system or part of the system, disarm, or select other menu options.Built-in speaker with adjustable volume.It is VdS certified.	ком	6	$326.06	1,956.36
05.03.03.02.10.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	780	$0.70	546.00
05.03.03.02.10.14	Small and other unspecified materials and works	компл	1	$190.12	190.12
	Beska				
05.03.03.03.10.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92
05.03.03.03.10.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.03.10.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91
05.03.03.03.10.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10

05.03.03.03.10.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.03.10.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.03.10.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	8	$34.22	273.76
05.03.03.03.10.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	9	$46.58	419.22
05.03.03.03.10.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	3	$74.15	222.45
05.03.03.03.10.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	4	$133.08	532.32
05.03.03.03.10.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	4	$24.72	98.88
05.03.03.03.10.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	5	$326.06	1,630.30
05.03.03.03.10.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	800	$0.70	560.00
05.03.03.03.10.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	Karlovci				
05.03.03.04.10.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92

05.03.03.04.10.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.04.10.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91
05.03.03.04.10.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.04.10.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.04.10.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.04.10.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	8	$34.22	273.76
05.03.03.04.10.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	9	$46.58	419.22
05.03.03.04.10.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	3	$74.15	222.45
05.03.03.04.10.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	4	$133.08	532.32
05.03.03.04.10.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	4	$24.72	98.88

05.03.03.04.10.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	5	$326.06	1,630.30
05.03.03.04.10.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	800	$0.70	560.00
05.03.03.04.10.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	Petrovaradin				
05.03.03.05.10.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92
05.03.03.05.10.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.05.10.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91
05.03.03.05.10.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.05.10.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.05.10.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	1	$127.38	127.38
05.03.03.05.10.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	8	$34.22	273.76

05.03.03.05.10.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	11	$46.58	512.38
05.03.03.05.10.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	2	$74.15	148.30
05.03.03.05.10.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	2	$133.08	266.16
05.03.03.05.10.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	2	$24.72	49.44
05.03.03.05.10.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	5	$326.06	1,630.30
05.03.03.05.10.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	650	$0.70	455.00
05.03.03.05.10.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	Karlovac vineyards				
05.03.03.06.08.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92
05.03.03.06.08.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.06.08.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91

05.03.03.06.08.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.06.08.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.06.08.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.06.08.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	6	$34.22	205.32
05.03.03.06.08.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	8	$46.58	372.64
05.03.03.06.08.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	2	$74.15	148.30
05.03.03.06.08.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	2	$133.08	266.16
05.03.03.06.08.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	2	$24.72	49.44
05.03.03.06.08.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	5	$326.06	1,630.30
05.03.03.06.08.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	600	$0.70	420.00
05.03.03.06.08.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	EVP Indjija				
05.03.03.08.01.07.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92

05.03.03.08.01.07.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.08.01.07.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91
05.03.03.08.01.07.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.08.01.07.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.08.01.07.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.08.01.07.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	5	$34.22	171.10
05.03.03.08.01.07.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	2	$46.58	93.16
05.03.03.08.01.07.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	2	$74.15	148.30
05.03.03.08.01.07.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	1	$133.08	133.08
05.03.03.08.01.07.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	1	$24.72	24.72

05.03.03.08.01.07.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	2	$326.06	652.12
05.03.03.08.01.07.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	400	$0.70	280.00
05.03.03.08.01.07.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	PSN Beska				
05.03.03.08.02.07.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92
05.03.03.08.02.07.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.08.02.07.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91
05.03.03.08.02.07.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.08.02.07.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.08.02.07.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.08.02.07.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	3	$34.22	102.66

05.03.03.08.02. 07.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	4	$46.58	186.32
05.03.03.08.02. 07.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	1	$74.15	74.15
05.03.03.08.02. 07.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	1	$133.08	133.08
05.03.03.08.02. 07.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	1	$24.72	24.72
05.03.03.08.02. 07.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	3	$326.06	978.18
05.03.03.08.02. 07.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	300	$0.70	210.00
05.03.03.08.02. 07.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	PS Sremski Karlovci				
05.03.03.08.03. 07.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92
05.03.03.08.03. 07.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.08.03. 07.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91

05.03.03.08.03.07.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.08.03.07.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.08.03.07.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.08.03.07.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	3	$34.22	102.66
05.03.03.08.03.07.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	4	$46.58	186.32
05.03.03.08.03.07.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	1	$74.15	74.15
05.03.03.08.03.07.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	1	$133.08	133.08
05.03.03.08.03.07.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	1	$24.72	24.72
05.03.03.08.03.07.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	3	$326.06	978.18
05.03.03.08.03.07.13	Installation cable type:				
	JH (St) H 3x2x0.8	m	300	$0.70	210.00
05.03.03.08.03.07.14	Small and other unspecified materials and works	set	1	$190.12	190.12
	OGF Indjija pustara				
05.03.03.09.06.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	1	$270.92	270.92

05.03.03.09.06.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	1	$475.30	475.30
05.03.03.09.06.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	1	$174.91	174.91
05.03.03.09.06.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	1	$152.10	152.10
05.03.03.09.06.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	1	$286.13	286.13
05.03.03.09.06.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	2	$127.38	254.76
05.03.03.09.06.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	3	$34.22	102.66
05.03.03.09.06.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	1	$46.58	46.58
05.03.03.09.06.09	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	1	$133.08	133.08
05.03.03.09.06.10	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	1	$24.72	24.72
05.03.03.09.06.11	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	3	$326.06	978.18

05.03.03.09.06.12	Installation cable type:				0.00
	JH (St) H 3x2x0.8	m	200	$0.70	140.00
05.03.03.09.06.13	Small and other unspecified materials and works	set	1	$190.12	190.12
	OGF BTS				
05.03.03.10.06.0	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	2	$270.92	541.84
05.03.03.10.06.0	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	2	$475.30	950.60
05.03.03.10.06.0	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	2	$174.91	349.82
05.03.03.10.06.0	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	2	$152.10	304.20
05.03.03.10.06.0	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	2	$286.13	572.26
05.03.03.10.06.0	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	4	$127.38	509.52
05.03.03.10.06.0	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	6	$34.22	205.32
05.03.03.10.06.0	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	2	46.58	93.16
05.03.03.10.06.0	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	2	$133.08	266.16
05.03.03.10.06.1	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	2	$24.72	49.44

05.03.03.10.06.1	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	6	$326.06	1,956.36
05.03.03.10.06.1	Installation cable type:		0		0.00
	JH (St) H 3x2x0.8	m	400	$0.70	280.00
05.03.03.10.06.1	Small and other unspecified materials and works	set	2	$190.12	380.24
	Power plants				
05.03.03.10.07.01	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent	pcs	2	$270.92	541.84
05.03.03.10.07.02	The main panel supports up to 1500 addresses, 500 areas and 1000 users. As part of the modular alarm platform, the main panel with the possibility of connecting to the system for the integration of security systems via Internet Protocol (IP). External CAN highway - up to 1000m in total length; the external bus allows command centers, connection gateways and power supplies to be placed as individual elements, providing greater efficiency. The software version of all devices in the modular alarm platform can be upgraded or updated using remote software programming. This allows software upgrades or updates on-site or remotely (IP through	pcs	2	$475.30	950.60
05.03.03.10.07.03	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. Provides flexible network structures (one loop or two branches) provides a unique error redundancy on the configuration loop (not on the branch configuration) Enables two auxiliary outputs (500mA each) BOSCH	pcs	2	$174.91	349.82
05.03.03.10.07.04	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. It provides three monitored and programmable outputs for sirens, signal lamps and other audio-visual devices. Provides two programmable open collector outputs. BOSCH ICP-MAP0007-2 or equivalent	pcs	2	$152.10	304.20
05.03.03.10.07.05	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. Provides controlled nominal output for 500mA, 24 VDC power supply. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery monitoring. Provides battery load protection. BOSCH	pcs	2	$286.13	572.26
05.03.03.10.07.06	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or	pcs	4	$127.38	509.52
05.03.03.10.07.07	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or	pcs	8	$34.22	273.76

05.03.03.10.07.08	Conventional glass breakage detector complete with addressable loop connection element. Sound analysis based on microprocessor technology Automatic ambient noise test, sound check. BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	8	46.58	372.64
05.03.03.10.07.09	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent	pcs	2	$74.15	148.30
05.03.03.10.07.10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent	pcs	2	133.08	266.16
05.03.03.10.07.11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent	pcs	2	$24.72	49.44
05.03.03.10.07.12	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. By directly touching the screen image, users can arm a system or part of a system, disarm, or select other menu options. Built-in speaker with adjustable volume. He has a VdS certificate. BOSCH IUI-	pcs	4	$326.06	1,304.24
05.03.03.10.07.13	Installation cable type:		0		0.00
	JH (St) H 3x2x0.8	m	700	$0.70	490.00
05.03.03.10.07.14	Small and other unspecified materials and works	set	2	$190.12	380.24

Br.	Description of works	Unit	Quantity	Unit price ($)	Price ($)
			A	B	AxB
	Indjija				
05.03.03.02.09.01	Controller housing box with two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	ком	5	$139.74	698.70
05.03.03.02.09.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for information display; Independent control of switching between receive and send; Independent electronic confirmation of ports and outputs; Input for externally connected sabotage contact has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; Address can be set via slide switches, 8 relay outputs, 8 controlled analog inputs, IP 30 protection	ком	5	$822.27	4,111.35
05.03.03.02.09.03	External power supply with built - in UPS BOSCH APS-PBC-60 or equivalent	ком	5	$193.92	969.60
05.03.03.02.09.04	Battery for additional power supply 12 V / 7.2 Ah	ком	10	$24.72	247.20
05.03.03.02.09.05	Compact Wiegand Mifare / iClass reader with audible signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection	ком	6	$96.96	581.76
05.03.03.02.09.06	Button "exit request" "with key symbol (wall mounting)BOSCH 4710760047 or equivalent "	ком	6	$50.38	302.28
05.03.03.02.09.07	"EMERGENCY EXIT" "emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent "	ком	6	$39.93	239.58
05.03.03.02.09.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	ком	6	$96.01	576.06
05.03.03.02.09.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	270	$0.50	135.00
	JH (St) H 5x2x0.8	m	270	$1.08	291.60
05.03.03.02.09.10	Small and other unspecified materials and works	компл	1	$285.18	285.18
	Beska				
05.03.03.03.09.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	4	$139.74	558.96
05.03.03.03.09.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	4	$822.27	3,289.08
05.03.03.03.09.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	4	$193.92	775.68

05.03.03.03.09.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	8	$24.72	197.76
05.03.03.03.09.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	5	$96.96	484.80
05.03.03.03.09.06.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	5	$50.38	251.90
05.03.03.03.09.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	5	$39.93	199.65
05.03.03.03.09.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	5	$96.01	480.05
05.03.03.03.09.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	250	$0.50	125.00
	JH (St) H 5x2x0.8	m	250	$1.08	270.00
05.03.03.03.09.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	Karlovci				
05.03.03.04.09.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	4	$139.74	558.96
05.03.03.04.09.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	4	$822.27	3,289.08
05.03.03.04.09.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	4	$193.92	775.68
05.03.03.04.09.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	8	$24.72	197.76
05.03.03.04.09.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	5	$96.96	484.80
05.03.03.04.09.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	5	$50.38	251.90
05.03.03.04.09.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	5	$39.93	199.65
05.03.03.04.09.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	5	$96.01	480.05
05.03.03.04.09.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	250	$0.50	125.00
	JH (St) H 5x2x0.8	m	250	$1.08	270.00
05.03.03.04.09.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	Petrovaradin				

05.03.03.05.09.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	4	$139.74	558.96
05.03.03.05.09.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	4	$822.27	3,289.08
05.03.03.05.09.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	4	$193.92	775.68
05.03.03.05.09.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	8	$24.72	197.76
05.03.03.05.09.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	5	$96.96	484.80
05.03.03.05.09.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	5	$50.38	251.90
05.03.03.05.09.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	5	$39.93	199.65
05.03.03.05.09.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	5	$96.01	480.05
05.03.03.05.09.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	250	$0.50	125.00
	JH (St) H 5x2x0.8	m	250	$1.08	270.00
05.03.03.05.09.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	Karlovac vineyards				
05.03.03.06.07.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	5	$139.74	698.70
05.03.03.06.07.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	5	$822.27	4,111.35
05.03.03.06.07.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	5	$193.92	969.60
05.03.03.06.07.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	10	$24.72	247.20

05.03.03.06.07.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	5	$96.96	484.80
05.03.03.06.07.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	5	$50.38	251.90
05.03.03.06.07.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	5	$39.93	199.65
05.03.03.06.07.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	5	$96.01	480.05
05.03.03.06.07.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	250	$0.50	125.00
	JH (St) H 5x2x0.8	m	250	$1.08	270.00
05.03.03.06.07.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	EVP Indjija				
05.03.03.08.01.06.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	1	$139.74	139.74
05.03.03.08.01.06.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	1	$822.27	822.27
05.03.03.08.01.06.03	Expansion unit with 8 additional inputs and 8 outputs. Intelligent access control for one to eight inputs. Four interfaces including reader power supply. LCD display for displaying information. BOSCH API-AMC2-16ION or equivalent	pcs	1	$658.77	658.77
05.03.03.08.01.06.04	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	1	$193.92	193.92
05.03.03.08.01.06.05	Battery for additional power supply 12 V / 7.2 Ah	pcs	2	$24.72	49.44
05.03.03.08.01.06.06	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	5	$96.96	484.80
05.03.03.08.01.06.07	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	5	$50.38	251.90
05.03.03.08.01.06.08	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	5	$39.93	199.65
05.03.03.08.01.06.09	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	5	$96.01	480.05
05.03.03.08.01.06.10	Installation cable type:				
	JH (St) H 2x2x0.8	m	300	$0.50	150.00
	JH (St) H 5x2x0.8	m	500	$1.08	540.00

05.03.03.08.01. 06.11	Small and other unspecified materials and works	set	1	$285.18	285.18
	PSN Beska				
05.03.03.08.02. 06.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	1	$139.74	139.74
05.03.03.08.02. 06.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	1	$822.27	822.27
05.03.03.08.02. 06.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	1	$193.92	193.92
05.03.03.08.02. 06.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	2	$24.72	49.44
05.03.03.08.02. 06.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	4	$96.96	387.84
05.03.03.08.02. 06.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	4	$50.38	201.52
05.03.03.08.02. 06.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	4	$39.93	159.72
05.03.03.08.02. 06.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	4	$96.01	384.04
05.03.03.08.02. 06.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	350	$0.50	175.00
	JH (St) H 5x2x0.8	m	400	$1.08	432.00
05.03.03.08.02. 06.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	PS Sremski Karlovci				
05.03.03.08.03. 06.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	1	$139.74	139.74
05.03.03.08.03. 06.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	1	$822.27	822.27
05.03.03.08.03. 06.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	1	$193.92	193.92
05.03.03.08.03. 06.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	2	$24.72	49.44

05.03.03.08.03.06.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	4	$96.96	387.84
05.03.03.08.03.06.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	4	$50.38	201.52
05.03.03.08.03.06.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	4	$39.93	159.72
05.03.03.08.03.06.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	4	$96.01	384.04
05.03.03.08.03.06.09	Installation cable type:			$0.00	
	JH (St) H 2x2x0.8	m	350	$0.50	175.00
	JH (St) H 5x2x0.8	m	400	$1.08	432.00
05.03.03.08.03.06.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	OGF Indjija pustara				
05.03.03.09.05.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	1	$139.74	139.74
05.03.03.09.05.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	1	$822.27	822.27
05.03.03.09.05.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	1	$193.92	193.92
05.03.03.09.05.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	2	$24.72	49.44
05.03.03.09.05.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	3	$96.96	290.88
05.03.03.09.05.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	3	$50.38	151.14
05.03.03.09.05.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	3	$39.93	119.79
05.03.03.09.05.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	3	$96.01	288.03
05.03.03.09.05.09	Installation cable type:				
	JH (St) H 2x2x0.8	m	108	$0.50	54.00
	JH (St) H 5x2x0.8	m	108	$1.08	116.64
05.03.03.09.05.10	Small and other unspecified materials and works	set	1	$285.18	285.18
	Tunnel				
05.03.03.10.04.0	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	2	$139.74	279.48

05.03.03.10.04.0	4 Wiegand controller with CF card and 8-input and 8-output expansion. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8 controlled analog inputs; IP 30 level	pcs	2	$822.27	1,644.54
05.03.03.10.04.0	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	2	$193.92	387.84
05.03.03.10.04.0	Battery for additional power supply 12 V / 7.2 Ah	pcs	4	$24.72	98.88
05.03.03.10.04.0	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	6	$96.96	581.76
05.03.03.10.04.0	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	6	$50.38	302.28
05.03.03.10.04.0	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	6	$39.93	239.58
05.03.03.10.04.0	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	6	$96.01	576.06
05.03.03.10.04.0	JH (St) H 2x2x0.8, at least in accordance with B2ca s1a a1 according to TSI SRT	m	240	$1.73	415.20
05.03.03.10.04.1	JH (St) H 5x2x0.8, at least in accordance with B2ca s1a a1 according to TSI SRT	m	240	$1.93	463.20
05.03.03.10.04.1	Small and other unspecified materials and works	set	2	$285.18	570.36
	OGF BTS				
05.03.03.10.05.0	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	2	$142.59	285.18
05.03.03.10.05.0	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	2	$839.05	1,678.10
05.03.03.10.05.0	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	2	$197.88	395.76
05.03.03.10.05.0	Battery for additional power supply 12 V / 7.2 Ah	pcs	4	$25.22	100.88
05.03.03.10.05.0	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	6	$98.94	593.64

05.03.03.10.05.0	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	6	$51.41	308.46
05.03.03.10.05.0	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	6	$40.74	244.44
05.03.03.10.05.0	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	6	$97.97	587.82
05.03.03.10.05.0	Installation cable type:		0		0.00
	JH (St) H 2x2x0.8	m	240	$0.51	122.40
	JH (St) H 5x2x0.8	m	240	$1.10	264.00
05.03.03.10.05.1	Small and other unspecified materials and works	set	2	$291.00	582.00
	Power plants				
05.03.03.10.06.01	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)	pcs	2	$139.74	279.48
05.03.03.10.06.02	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs; 4 interfaces including reader power supply; LCD display for displaying information; Self-control of switching between receiving and sending; Independent electronic confirmation of connections and outputs; The input for externally connected contact sabotage has four connectors for connecting up to four ID card readers; Viegand interface or equivalent; 512 kB-EPROM / FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; The address can be adjusted via sliding switches; 8 relay outputs, 8	pcs	2	$822.27	1,644.54
05.03.03.10.06.03	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent	pcs	2	$193.92	387.84
05.03.03.10.06.04	Battery for additional power supply 12 V / 7.2 Ah	pcs	4	$24.72	98.88
05.03.03.10.06.05	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. Plasticized, for indoor and outdoor installation. Current consumption 65 mA / average, 225 mA maximum; IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)	pcs	8	$96.96	775.68
05.03.03.10.06.06	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent	pcs	8	$50.38	403.04
05.03.03.10.06.07	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent	pcs	8	$39.93	319.44
05.03.03.10.06.08	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator	pcs	8	$96.01	768.08
05.03.03.10.06.0	Installation cable type:		0		0.00
	JH (St) H 2x2x0.8	m	800	$0.50	400.00
	JH (St) H 5x2x0.8	m	900	$1.08	972.00
05.03.03.10.06.10	Small and other unspecified materials and works	set	2	$285.18	570.36

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
	Indjija				
05.03.03.02.14.01	Set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid. Complete with power supply unit and all necessary cables and installation equipment. (ATEIS	компл	3	$1,279.51	3,838.53
	Beska				
05.03.03.03.14.01	A set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid. Complete with power supply unit and all necessary cables and installation equipment. (ATEIS	set	2	$1,279.51	2,559.02
	Karlovci				
05.03.03.04.14.01	A set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid. Complete with power supply unit and all necessary cables and installation equipment. (ATEIS	set	2	$1,279.51	2,559.02
	Petrovaradin				
05.03.03.05.14.01	A set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid. Complete with power supply unit and all necessary cables and installation equipment. (ATEIS	set	1	$1,279.51	1,279.51

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
3	**Whole Line**				
05.03.03.01.13.01	System expansion. It includes the purchase of all necessary equipment and software (server, software, system cables)	компл	4	$980.00	3,920.00
05.03.03.01.13.02	System configuration, issuance of certificates and commissioning (for the	компл	1	$29,400.00	29,400.00
05.03.03.01.13.03	User training (for the whole section)	компл	1	$1,960.00	1,960.00
05.03.03.01.13.04	Design and preparation of documentation (for the whole section)	компл	1	$19,600.00	19,600.00
	Indjija				
05.03.03.02.11.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - Ethernet port for connecting a workstation - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - an address card that allocates 128 points in the system	ком	1	$3,792.89	3,792.89
05.03.03.02.11.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	ком	2	$75.10	150.20
05.03.03.02.11.03	Rechargeable battery 12 VDC, 40Ah.	ком	6	$131.18	787.08
05.03.03.02.11.04	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	ком	2	$95.62	191.24

05.03.03.02.11.05	The answering machine with the possibility of programming via a directly connected or remote telephone, provides voice notification to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installation and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710	ком	1	$148.29	148.29
05.03.03.02.11.06	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-O-R, MS 400, TP4	ком	61	$43.73	2,667.53
05.03.03.02.11.07	Addressable heat detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAH-425-T-R, MS 400, TP4 400 or	ком	1	$41.83	41.83
05.03.03.02.11.08	Internal manual addressable detector that supports EN54 and VdS standard (FMC-210-DM-G-R or equivalent)	ком	14	$31.37	439.18
05.03.03.02.11.09	External manual addressable detector that supports EN54 and VdS standard (FMC-210-DM-H-R or equivalent)	ком	6	$64.64	387.84
05.03.03.02.11.10	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	ком	7	$31.37	219.59
05.03.03.02.11.11	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	ком	5	$76.05	380.25
05.03.03.02.11.12	Parallel indicator light that supports EN54 and VdS standard (FAA-420-RI-ROW or	ком	22	$10.46	230.12
05.03.03.02.11.13	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	ком	33	$13.31	439.23
05.03.03.02.11.15	Installation cable type:				
	- J-H (St) H 2x2x0.8	m	600	$0.50	300.00
	- NHXHX 3x1.5 FE180 / E30	m	450	$1.27	571.50
	- NHXHX 3x1.5 FE180 / E90	m	420	$1.27	533.40
	- TK 59 M 5x4x0.8	m	150	$2.02	303.00
	- PP00 3x1.5	m	1500	$0.67	1,005.00
05.03.03.02.11.16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	1200	$1.16	1,392.00
	- Ø16	m	600	$0.37	222.00
05.03.03.02.11.17	Self-adhesive plastic ducts without halogen elements dimensions:				
	- 16x16x1000mm	m	20	$2.59	51.80
	- 16x40x1000mm	m	30	$2.59	77.70

05.03.03.02.11.18	Equipment for wall-mounted installation management with maintenance of functionality in case of fire (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	компл	1	$901.60	901.60
05.03.03.02.11.19	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	1	$216.24	216.24
05.03.03.02.11.20	Small installation material (bag screws, arc clamps, dowels ...)	компл	1	$294.00	294.00
	Beska				
05.03.03.03.11.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.03.11.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	2	$75.10	150.20
05.03.03.03.11.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.03.03.11.04	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	pcs	2	$95.62	191.24

05.03.03.03.11.05	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.03.11.06	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	53	$43.73	2,317.69
05.03.03.03.11.07	Addressable heat detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAH-425-TR, MS 400, TP4 400 or	pcs	1	$41.83	41.83
05.03.03.03.11.08	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	10	$31.37	313.70
05.03.03.03.11.09	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	5	$64.64	323.20
05.03.03.03.11.10	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	4	$31.37	125.48
05.03.03.03.11.11	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	5	$76.05	380.25
05.03.03.03.11.12	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	27	$10.46	282.42
05.03.03.03.11.13	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	32	$13.31	425.92
05.03.03.03.11.15	Installation cable type:				
	- JH (St) H 2x2x0.8	m	550	$0.50	275.00
	- NHXHX 3x1.5 FE180 / E30	m	350	$1.27	444.50
	- NHXHX 3x1.5 FE180 / E90	m	400	$1.27	508.00
	- TK 59 M 5x4x0.8	m	100	$2.02	202.00
	- PP00 3x1.5	m	900	$0.67	603.00
05.03.03.03.11.16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	1100	$1.16	1,276.00
	- Ø16	m	600	$0.37	222.00
05.03.03.03.11.17	Self-adhesive plastic ducts without halogen elements dimensions:				
	- 16x16x1000mm	m	20	$2.59	51.80
	- 16x40x1000mm	m	30	$2.59	77.70

05.03.03.03.11.18	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60
05.03.03.03.11.19	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	1	$216.24	216.24
05.03.03.03.11.20	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	Karlovci				
05.03.04.11.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.04.11.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	2	$75.10	150.20
05.03.03.04.11.03	Rechargeable battery 12 VDC, 40Ah.	pcs	6	$131.18	787.08
05.03.03.04.11.04	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	pcs	3	$95.62	286.86

05.03.03.04.11.05	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.04.11.06	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	53	$43.73	2,317.69
05.03.03.04.11.07	Addressable heat detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAH-425-TR, MS 400, TP4 400 or	pcs	1	$41.83	41.83
05.03.03.04.11.08	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	10	$31.37	313.70
05.03.03.04.11.09	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	7	$64.64	452.48
05.03.03.04.11.10	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	4	$31.37	125.48
05.03.03.04.11.11	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	6	$76.05	456.30
05.03.03.04.11.12	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	28	$10.46	292.88
05.03.03.04.11.13	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	33	$13.31	439.23
05.03.03.04.11.15	Installation cable type:				
	- JH (St) H 2x2x0.8	m	550	$0.50	275.00
	- NHXHX 3x1.5 FE180 / E30	m	400	$1.27	508.00
	- NHXHX 3x1.5 FE180 / E90	m	400	$1.27	508.00
	- TK 59 M 5x4x0.8	m	500	$2.02	1,010.00
	- PP00 3x1.5	m	1400	$0.67	938.00
05.03.03.04.11.16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	1100	$1.16	1,276.00
	- Ø16	m	600	$0.37	222.00
05.03.03.04.11.17	Self-adhesive plastic ducts without halogen elements dimensions:				
	- 16x16x1000mm	m	20	$2.59	51.80
	- 16x40x1000mm	m	30	$2.59	77.70

05.03.03.04.11.18	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60
05.03.03.04.11.19	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	1	$216.24	216.24
05.03.03.04.11.20	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	Petrovaradin				
05.03.03.05.11.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.05.11.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	2	$75.10	150.20
05.03.03.05.11.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.03.05.11.04	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	pcs	2	$95.62	191.24

05.03.03.05.11.05	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.05.11.06	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	36	$43.73	1,574.28
05.03.03.05.11.07	Addressable heat detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAH-425-TR, MS 400, TP4 400 or	pcs	1	$41.83	41.83
05.03.03.05.11.08	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	11	$31.37	345.07
05.03.03.05.11.09	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	5	$64.64	323.20
05.03.03.05.11.10	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	5	$31.37	156.85
05.03.03.05.11.11	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	4	$76.05	304.20
05.03.03.05.11.12	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	12	$10.46	125.52
05.03.03.05.11.13	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	29	$13.31	385.99
05.03.03.05.11.15	Installation cable type:				
	- JH (St) H 2x2x0.8	m	400	$0.50	200.00
	- NHXHX 3x1.5 FE180 / E30	m	400	$1.27	508.00
	- NHXHX 3x1.5 FE180 / E90	m	450	$1.27	571.50
	- TK 59 M 5x4x0.8	m	100	$2.02	202.00
	- PP00 3x1.5	m	2500	$0.67	1,675.00
05.03.03.05.11.16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	1200	$1.16	1,392.00
	- Ø16	m	500	$0.37	185.00
05.03.03.05.11.17	Self-adhesive plastic ducts without halogen elements dimensions:				
	- 16x16x1000mm	m	20	$2.59	51.80
	- 16x40x1000mm	m	30	$2.59	77.70

05.03.03.05.11.18	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60
05.03.03.05.11.19	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	1	$216.24	216.24
05.03.03.05.11.20	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	Karlovac vineyards				
05.03.03.06.09.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.06.09.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	2	$75.10	150.20
05.03.03.06.09.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.03.06.09.04	Distribution cabinet (RO-DP 1, RO-DP 3) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of aircraft terminals 1.5mm2, with double contacts on the shunting side, two marking blocks, two fuse modules 10x2 10KA / 10A, three	pcs	1	$95.62	95.62

05.03.03.06.09.05	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.06.09.06	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	23	$43.73	1,005.79
05.03.03.06.09.07	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	6	$31.37	188.22
05.03.03.06.09.08	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	2	$64.64	129.28
05.03.03.06.09.09	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	2	$31.37	62.74
05.03.03.06.09.10	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	2	$76.05	152.10
05.03.03.06.09.11	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	10	$10.46	104.60
05.03.03.06.09.12	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	12	$13.31	159.72
05.03.03.06.09.14	Installation cable type:				
	- JH (St) H 2x2x0.8	m	200	$0.50	100.00
	- NHXHX 3x1.5 FE180 / E30	m	200	$1.27	254.00
	- NHXHX 3x1.5 FE180 / E90	m	500	$1.27	635.00
	- PP00 3x1.5	m	2200	$0.67	1,474.00
05.03.03.06.09.15	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	900	$1.16	1,044.00
	- Ø16	m	200	$0.37	74.00
05.03.03.06.09.16	Self-adhesive plastic ducts without halogen elements dimensions:				
	- 16x16x1000mm	m	20	$2.59	51.80
	- 16x40x1000mm	m	30	$2.59	77.70
05.03.03.06.09.17	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60

05.03.03.06.09. 18	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	1	$216.24	216.24
05.03.03.06.09. 19	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	EVP Indjija				
05.03.03.08.01. 08.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.08.01. 08.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	1	$75.10	75.10
05.03.03.08.01. 08.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.03.08.01. 08.04	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.08.01. 08.05	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	14	$43.73	612.22
05.03.03.08.01. 08.06	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	4	$31.37	125.48

05.03.03.08.01.08.07	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	2	$64.64	129.28
05.03.03.08.01.08.08	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	3	$31.37	94.11
05.03.03.08.01.08.09	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	2	$76.05	152.10
05.03.03.08.01.08.10	Two-input input module for loop open status monitoring within a loop that supports EN54 and VdS standard (FLM-420-	pcs	1	$87.46	87.46
05.03.03.08.01.08.11	Magnetic contact to monitor the openness of the fire door complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in aggressive environments and	pcs	1	$31.37	31.37
05.03.03.08.01.08.12	Input module with eight inputs for connection to the substation within a loop that supports the EN54 and VdS standard (FLM-420-I8R1-S or equivalent)	pcs	1	$120.73	120.73
05.03.03.08.01.08.13	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	15	$13.31	199.65
05.03.03.08.01.08.15	Installation cable type:				
	- JH (St) H 2x2x0.8	m	200	$0.50	100.00
	- NHXHX 3x1.5 FE180 / E30	m	100	$1.27	127.00
	- NHXHX 3x1.5 FE180 / E90	m	70	$1.27	88.90
	- JE-H (St) H / FE180 / E90 5x2x0.8	m	30	$1.93	57.90
05.03.03.08.01.08.16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	50	$1.16	58.00
	- Ø36	m	200	$1.16	232.00
	- Ø16	m	200	$0.37	74.00
05.03.03.08.01.08.17	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60
05.03.03.08.01.08.18	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	2	$216.24	432.48
05.03.03.08.01.08.19	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	PSN Beska				
	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules				

05.03.03.08.02.08.01	- holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.08.02.08.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	1	$75.10	75.10
05.03.03.08.02.08.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.03.08.02.08.04	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.08.02.08.05	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	13	$43.73	568.49
05.03.03.08.02.08.06	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	2	$31.37	62.74
05.03.03.08.02.08.07	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	2	$64.64	129.28
05.03.03.08.02.08.08	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	1	$31.37	31.37
05.03.03.08.02.08.09	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-SRD or	pcs	2	$76.05	152.10
05.03.03.08.02.08.10	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	4	$10.46	41.84
05.03.03.08.02.08.11	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	13	$13.31	173.03
05.03.03.08.02.	Installation cable type: - JH (St) H 2x2x0.8	m	130	$0.50	65.00

08.13	- NHXHX 3x1.5 FE180 / E30	m	60	$1.27	76.20
	- NHXHX 3x1.5 FE180 / E90	m	20	$1.27	25.40
05.03.03.08.02. 08.14	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	140	$1.16	162.40
	- Ø16	m	110	$0.37	40.70
05.03.03.08.02. 08.15	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60
05.03.03.08.02. 08.16	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	2	$216.24	432.48
05.03.03.08.02. 08.17	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	PS Sremski Karlovci				
05.03.03.08.03. 08.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.08.03. 08.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	1	$75.10	75.10
05.03.03.08.03. 08.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72

05.03.03.08.03.08.04	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.08.03.08.05	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	13	$43.73	568.49
05.03.03.08.03.08.06	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	2	$31.37	62.74
05.03.03.08.03.08.07	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	2	$64.64	129.28
05.03.03.08.03.08.08	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	1	$31.37	31.37
05.03.03.08.03.08.09	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-SRD or	pcs	2	$76.05	152.10
05.03.03.08.03.08.10	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	4	$10.46	41.84
05.03.03.08.03.08.11	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	13	$13.31	173.03
05.03.03.08.03.08.13	Installation cable type:				
	- JH (St) H 2x2x0.8	m	130	$0.50	65.00
	- NHXHX 3x1.5 FE180 / E30	m	60	$1.27	76.20
	- NHXHX 3x1.5 FE180 / E90	m	20	$1.27	25.40
05.03.03.08.03.08.14	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	140	$1.16	162.40
	- Ø16	m	110	$0.37	40.70
05.03.03.08.03.08.15	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution and installation	set	1	$901.60	901.60
05.03.03.08.03.08.16	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	2	$216.24	432.48
05.03.03.08.03.08.17	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	OGF Indjija pustara				

05.03.03.09.07.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.03.09.07.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	1	$75.10	75.10
05.03.03.09.07.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.03.09.07.04	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.03.09.07.05	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	1	$43.73	43.73
05.03.03.09.07.06	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	1	$31.37	31.37
05.03.03.09.07.07	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	2	$64.64	129.28
05.03.03.09.07.08	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	1	$76.05	76.05
05.03.03.09.07.09	Two-input input module for loop open status monitoring within a loop that supports EN54 and VdS standard (FLM-420-	pcs	1	$87.46	87.46

05.03.03.09.07.10	Input module with eight inputs for connection to the substation within a loop that supports the EN54 and VdS standard (FLM-420-I8R1-S or equivalent)	pcs	2	$120.73	241.46
05.03.03.09.07.11	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	4	$13.31	53.24
05.03.03.09.07.13	Installation cable type:				
	- JH (St) H 2x2x0.8	m	50	$0.50	25.00
	- NHXHX 3x1.5 FE180 / E30	m	20	$1.27	25.40
	- NHXHX 3x1.5 FE180 / E90	m	80	$1.27	101.60
	- JE-H (St) H / FE180 / E90 5x2x0.8	m	50	$1.93	96.50
05.03.03.09.07.14	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	40	$1.16	46.40
	- Ø36	m	190	$1.16	220.40
	- Ø16	m	50	$0.37	18.50
05.03.03.09.07.15	Equipment for wall-mounted installation management with maintenance of functionality in fire conditions (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all necessary equipment and works for route execution	set	1	$901.60	901.60
05.03.03.09.07.16	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	2	$216.24	432.48
05.03.03.09.07.17	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	Tunnel				
05.03.03.10.05.01	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	pcs	2	$95.62	191.24
05.03.03.10.05.02	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	10	$43.73	437.30
05.03.03.10.05.03	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	4	$31.37	125.48
05.03.03.10.05.04	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	10	$13.31	133.10
05.03.03.10.05.05	Module with 8 low voltage relay outputs in the housing, for loop mounting (FLM 420-RLV 8 S or equivalent)	pcs	2	$120.73	241.46

5.03.03.10.05.0	Installation cable type: - JH (St) H 2x2x0.8	m	120	$0.50	60.00
	- JH (St) H 2x2x0,8mm^2, at least in accordance with B2ca s1a a1 according to	m	100	$1.74	174.00
	- NHXHX 3x1.5 FE180 / E90	m	350	$1.27	444.50
	- TK 59 M 5x4x0.8	m	2000	$2.02	4,040.00
	- PP00 3x1.5	m	2000	$0.67	1,340.00
5.03.03.10.05.0	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	50	$1.16	58.00
	- Ø36	m	300	$1.16	348.00
	- Ø16	m	50	$0.37	18.50
5.03.03.10.05.0	PE pipe Ø 50	m	3000	$0.89	2,670.00
5.03.03.10.05.0	Installation ribbed hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the tunnel) in accordance with TSI-SRT. Inner diameter:				
	- Ø40	m	50	1.16	58.00
	- Ø36	m	100	$1.16	116.00
5.03.03.10.05.1	Installation ribbed hose with all fittings and clamps and clamps (3pcs / 1m), (tunnel installation) in accordance with FE180 / E90, Inner diameter:				
	- Ø40	m	50	$1.16	58.00
	- Ø36	m	300	$1.16	348.00
05.03.03.10.05.11	Fire-fighting mixture which with a fire barrier forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations and TSI SRT.	m^2	4	$216.24	864.96
05.03.03.10.05.12	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	OGF BTS of Tunnel				
5.03.03.10.07.0	Addressable fire control panel (Avenar 8000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation				

	- enables 3 addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 3000m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	2	$3,792.89	7,585.78
05.03.03.10.07.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	4	$75.10	300.40
05.03.03.10.07.03	Rechargeable battery 12 VDC, 40Ah.	pcs	16	$131.18	2,098.88
05.03.03.10.07.04	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	pcs	2	$95.62	191.24
05.03.03.10.07.05	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or equivalent)	pcs	2	$148.29	296.58
05.03.03.10.07.06	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400 or equivalent)	pcs	2	$43.73	87.46
05.03.03.10.07.07	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	2	$31.37	62.74
05.03.03.10.07.08	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	4	$64.64	258.56
05.03.03.10.07.09	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	2	$76.05	152.10
05.03.03.10.07.10	Two-input input module for loop open status monitoring within a loop that supports EN54 and VdS standard (FLM-420-I2-W or equivalent)	pcs	2	$87.46	174.92
05.03.03.10.07.11	Input module with eight inputs for connection to the substation within a loop that supports the EN54 and VdS standard (FLM-420-I8R1-S or equivalent)	pcs	4	$120.73	482.92
05.03.03.10.07.12	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	8	$13.31	106.48
05.03.03.10.07.13	Installation cable type:		0		0.00
	- JH (St) H 2x2x0.8	m	100	$0.50	50.00
	- NHXHX 3x1.5 FE180 / E30	m	40	$1.27	50.80
	- NHXHX 3x1.5 FE180 / E90	m	160	$1.27	203.20

	- JE-H (St) H / FE180 / E90 5x2x0.8	m	100	$1.93	193.00
05.03.03.10.07.1	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner		0		0.00
	- Ø40	m	80	$1.16	92.80
	- Ø36	m	380	$1.16	440.80
	- Ø16	m	100	$0.37	37.00
05.03.03.10.07.16	Equipment for wall-mounted installation management with maintenance of functionality in case of fire (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all the necessary equipment and works for route execution	set	2	$901.60	1,803.20
05.03.03.10.07.17	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	4	$216.24	864.96
05.03.03.10.07.18	Small installation material (bag screws, arc clamps, dowels ...)	set	2	$294.00	588.00
	Power plants				
5.03.03.10.08.0	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	2	$3,792.89	7,585.78
05.03.03.10.08.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	2	$75.10	150.20
05.03.03.10.08.03	Rechargeable battery 12 VDC, 40Ah.	pcs	8	$131.18	1,049.44

05.03.03.10.08.04	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or equivalent)	pcs	2	$148.29	296.58
05.03.03.10.08.05	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400 or equivalent)	pcs	30	$43.73	1,311.90
05.03.03.10.08.06	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	4	$31.37	125.48
05.03.03.10.08.07	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	4	$64.64	258.56
05.03.03.10.08.08	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	2	$31.37	62.74
05.03.03.10.08.09	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or equivalent)	pcs	2	$76.05	152.10
05.03.03.10.08.10	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or equivalent)	pcs	16	$10.46	167.36
05.03.03.10.08.11	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	28	$13.31	372.68
05.03.03.10.08.12	Installation cable type:		0		0.00
	- JH (St) H 2x2x0.8	m	400	$0.50	200.00
	- NHXHX 3x1.5 FE180 / E30	m	100	$1.27	127.00
	- NHXHX 3x1.5 FE180 / E90	m	160	$1.27	203.20
	- JE-H (St) H / FE180 / E90 5x2x0.8	m	0	$1.93	0.00
05.03.03.10.08.13	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner		0		0.00
	- Ø40	m	100	$1.16	116.00
	- Ø36	m	460	$1.16	533.60
	- Ø16	m	400	$0.37	148.00
05.03.03.10.08.15	Equipment for wall-mounted installation management with maintenance of functionality in case of fire (pipes, racks, clamps, ...). Complete with all accessories for changing direction, connection, brackets, mounting accessories and all the necessary equipment and works for route execution	set	2	$901.60	1,803.20
05.03.03.10.08.16	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	4	$216.24	864.96
05.03.03.10.08.17	Small installation material (bag screws, arc clamps, dowels ...)	set	2	$294.00	588.00
	Pump Station of Tunnel				

05.03.03.10.07.01	Distribution cabinet (RO-DP) for wall mounting made of sheet steel, dimensions 260x260x145mm, with bracket for relays, equipped with two connection and one switch strip 10x2 with IDC connectors, required number of VS terminals 1.5mm2, with double contacts on the shunting side , two marking blocks, two fuse modules 10x2 10KA / 10A, three mechanical ground	pcs	2	$95.62	191.24
05.03.03.10.07.02	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	1	$43.73	43.73
05.03.03.10.07.03	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	1	$31.37	31.37
05.03.03.10.07.04	Addressable outdoor detector - manual call point that supports EN54 and VdS standard	pcs	1	$64.64	64.64
05.03.03.10.07.05	Outdoor alarm siren that supports EN54 and VdS	pcs	1	$76.05	76.05
05.03.03.10.07.06	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	1	$13.31	13.31
05.03.03.10.05.05	Module with 8 low voltage relay outputs in the housing, for loop mounting (FLM 420-RLV 8 S or equivalent)	pcs	2	$120.73	241.46
05.03.03.10.05.0	Installation cable type:				
	- JH (St) H 2x2x0.8	m	40	$0.50	20.00
	- NHXHX 3x1.5 FE180 / E30	m	40	$1.27	50.80
	- NHXHX 3x1.5 FE180 / E90	m	40	$1.27	50.80
	- TK 59 M 5x4x0.8	m	100	$2.02	202.00
	- PP00 3x1.5	m	200	$0.67	134.00
5.03.03.10.05.0	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	1.16	11.60
	- Ø36	m	100	$1.16	116.00
	- Ø16	m	50	$0.37	18.50
	Equipment for wall-mounted installation with maintenance of functionality in fire onditions (pipes, cable tray, clamps, ...). Complete with all accessories for changing directions, couplings,mounts, mounting accessories and	set	1	$901.60	
05.03.03.10.05.11	Fire-fighting mixture which with a fire barrier forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations and TSI SRT.	m^2	1	$216.24	216.24
05.03.03.10.05.12	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00
	Facility 4				

05.03.06.05.01	Addressable fire control panel (Avenar 2000 Premium or equivalent) that supports the EN54 and VdS standard, equipped with the following elements: - steel housing (wall mounting) with cover - rail panel for installing functional modules - holder for four batteries and power supply units - panel controller with operating screen in Serbian language (possibility of connecting a printer) - power supply unit, 24V / 5A - USB, CAN, Ethernet interfaces - 2 10 / 100BASE-TX ports all equipment needed to connect the control panel to 4 SM - software key for the possibility of integration and connection of the control panel under the monitoring software via connection to the OPC - interface module for connecting to the workstation - enables two addressable loops, with the possibility of connecting up to 254 LSN elements per loop, maximum loop length up to 1600m and maximum consumption per - battery control module - module for calling two lines of alarm - allows the allocation of 128 points in the system	pcs	1	$3,792.89	3,792.89
05.03.06.05.02	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)	pcs	2	$75.10	150.20
05.03.06.05.03	Rechargeable battery 12 VDC, 40Ah.	pcs	4	$131.18	524.72
05.03.06.05.04	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel, has 4 inputs and 2 PGM outputs, 4 telephone pager numbers, 1 installer and 4 user PIN codes, with voice message length 4x15s or 2x30s. Complete with a rechargeable battery that allows the device to operate 72h in stand - by and 0.5h in alarm mode. (VD 710 ParaVox or	pcs	1	$148.29	148.29
05.03.06.05.05	Addressable optical smoke detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAP-425-OR, MS 400, TP4 400	pcs	83	$43.73	3,629.59
05.03.06.05.06	Addressable heat detector that supports EN54 and VdS standard. Complete with mounting base, short-circuit insulator and marking (FAH-425-TR, MS 400, TP4 400 or	pcs	1	$41.83	41.83
05.03.06.05.07	Internal manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-GR or equivalent)	pcs	8	$31.37	250.96
05.03.06.05.08	External manual addressable detector that supports the EN54 and VdS standard (FMC-210-DM-HR or equivalent)	pcs	3	$64.64	193.92
05.03.06.05.09	Internal alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	9	$31.37	282.33

05.03.06.05.10	External alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-LED-SRD or	pcs	3	$76.05	228.15
05.03.06.05.11	Parallel indicator light supporting EN54 and VdS standard (FAA-420-RI-ROW or	pcs	21	$10.46	219.66
05.03.06.05.12	Two-input input module for loop open status monitoring within a loop that supports EN54 and VdS standard (FLM-420-	pcs	5	$87.46	437.30
05.03.06.05.13	Magnetic contact to monitor the openness of the fire door complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in aggressive environments and	pcs	7	$31.37	219.59
03/05/06/05/14	Additional base for hanging fire detectors on non-standard surfaces (concrete beams, roof structure, uneven walls, ...), with all the	pcs	18	$13.31	239.58
05.03.06.05.15	Metal bracket for mounting fire detectors on a sloping roof, with all the necessary	pcs	14	$33.27	465.78
03/05/06/05/16	Conventional linear smoke detector (Fireray 50Rv or equivalent)	pcs	2	$655.91	1,311.82
03/05/06/05/17	Module for connecting conventional linear detectors in an LSN loop with built-in short-circuit isolation, with 4 lines for conventional detectors and maximum consumption of each line up to 200mA	pcs	2	$109.32	218.64
05.03.06.05.18	Installation cable type:				
	- JH (St) H 2x2x0.8	m	2500	$0.50	1,250.00
	- NHXHX 3x1.5 FE180 / E30	m	800	$1.27	1,016.00
	- NHXHX 3x1.5 FE180 / E90	m	1000	$1.27	1,270.00
05.03.06.05.19	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	2000	$1.16	2,320.00
	- Ø16	m	2500	$0.37	925.00
05.03.06.05.20	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations	m^2	2	$216.24	432.48
05.03.06.05.21	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$294.00	294.00

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A	B	AxB
	EVP Indjija				
05.03.03.08.01. 09.01	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting two automatic and two zones for manual detectors, with relay module for activating alarm devices of extinguishing systems and other executive functions, complete with power supply unit and rechargeable batteries for autonomous system operation , 2x12V, 8Ah. The control panel must	pcs	1	$1,254.79	1,254.79
05.03.03.08.01. 09.02	Conventional optical smoke detector. Complete with mounting base, short circuit insulator and	pcs	8	$38.97	311.76
05.03.03.08.01. 09.03	Manual shut-off lock button	pcs	1	$32.32	32.32
05.03.03.08.01. 09.04	Manual button to activate the shutdown	pcs	1	$32.32	32.32
05.03.03.08.01. 09.05	Alarm siren with orange flash.	pcs	1	$74.15	74.15
05.03.03.08.01. 09.06	Illuminated billboard with the inscription "GAS - LEAVE THE ROOM!" Or equivalent	pcs	1	$85.55	85.55
05.03.03.08.01. 09.07	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For indoor installation or	pcs	1	$85.55	85.55
05.03.03.08.01. 09.08	Parallel indicator light	pcs	4	$14.26	57.04
05.03.03.08.01. 09.09	Magnetic contact to monitor the openness of the fire door complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in aggressive environments and large temperature changes	pcs	1	$22.81	22.81
05.03.03.08.01. 09.10	Installation cable type:				0.00
	- JH (St) H 2x2x0.8	m	100	$1.08	108.00
	- NHXHX 3x1.5 FE180 / E30	m	30	$1.27	38.10
	- NHXHX 3x1.5 FE180 / E90	m	40	$1.27	50.80
	- JE-H (St) H / FE180 / E90 2x2x0.8	m	80	$1.74	139.20
05.03.03.08.01. 09.11	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:				0.00
	- Ø40	m	40	$1.16	46.40
	- Ø36	m	220	$1.16	255.20
	- Ø16	m	100	$0.37	37.00
05.03.03.08.01. 09.12	Procurement and delivery of fire-fighting mixture. Calculated with an average penetration size of 0.3x0.3 m	m^2	2	$277.58	555.16
05.03.03.08.01. 09.13	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$380.24	380.24
	OGF Indjija pustara				
05.03.03.09.08. 01	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting four automatic and two zones for manual detectors, with relay module for activating alarm devices of extinguishing systems and other executive functions, complete with power supply unit and batteries for autonomous system operation ,	pcs	1	$1,254.79	1,254.79

05.03.03.09.08.02	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting two automatic and two zones for manual detectors, with a relay module for activating alarm devices of extinguishing systems and other executive functions, complete with power supply unit and batteries for autonomous system operation ,	pcs	1	$855.54	855.54
05.03.03.09.08.03	Conventional optical smoke detector. Complete with mounting base, short circuit insulator and	pcs	12	$38.97	467.64
05.03.03.09.08.04	Manual shut-off lock button	pcs	2	$32.32	64.64
05.03.03.09.08.05	Manual button to activate the shutdown	pcs	2	$32.32	64.64
05.03.03.09.08.06	Alarm siren with orange flash.	pcs	2	$74.15	148.30
05.03.03.09.08.07	Illuminated billboard with the inscription "GAS - LEAVE THE ROOM!" Or equivalent	pcs	2	$85.55	171.10
05.03.03.09.08.08	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For indoor installation or	pcs	1	$85.55	85.55
05.03.03.09.08.09	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For outdoor installation or	pcs	1	$142.59	142.59
05.03.03.09.08.10	Parallel indicator light	pcs	6	$11.41	68.46
05.03.03.09.08.11	Magnetic contact to monitor the openness of the fire door complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in aggressive environments and large temperature changes	pcs	2	$19.01	38.02
05.03.03.09.08.12	Aspiration smoke detector for computer cabinets in a room with space for 2 detector modules. It should allow the required number of sampling and air ducts to be connected to highly sensitive smoke sensors. Class A detector module. With 3 alarm levels (information, pre-alarm, alarm) for each detector, LED indication of detector status, error status and power status, maximum sensitivity 0.005% (light obscuratiom / m). It must constantly monitor the flow through the pipes and thus control the condition of the sample pipes and the contamination of the sample holes. The fan should have min. 2 operating speeds. With network card for LAN connection, integrated event memory. Complete with smoke sensors,	pcs	1	$4,562.88	4,562.88
05.03.03.09.08.13	Aspiration detector power supply cabinet, meets EN54 standard. The battery charging process is temperature and time controlled. The outputs have fuses. The cabinet contains all the necessary transformers, power supply units, circuit breakers, relay cards, input-output modules, batteries ... Set with accessories for connecting equipment and wall mounting. Power supply control by the system control panel via special addressable modules in the loop. (BOSCH FPP-5000 or equivalent)	pcs	1	$1,026.65	1,026.65
05.03.03.09.08.	Installation cable type:				
	- JH (St) H 2x2x0.8	m	150	$0.50	75.00
	- JH (St) H 5x2x0.8	m	20	$1.08	21.60

14	- NHXHX 3x1.5 FE180 / E30	m	50	$1.27	63.50
	- NHXHX 3x1.5 FE180 / E90	m	80	$1.27	101.60
	- JE-H (St) H / FE180 / E90 2x2x0.8	m	150	$1.74	261.00
05.03.03.09.08.15	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:				
	- Ø40	m	10	$1.16	11.60
	- Ø36	m	200	$1.16	232.00
	- Ø16	m	150	$0.37	55.50
05.03.03.09.08.16	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal	m^2	2	$277.58	555.16
05.03.03.09.08.17	Small installation material (bag screws, arc clamps, dowels ...)	set	1	$380.24	380.24
	OGF BTS of Tunnel				
5.03.03.10.08.0	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting four automatic and two zones for manual detectors, with relay module for activating alarm devices of extinguishing systems and other executive functions, complete with power supply unit and batteries for autonomous system operation , 2x12V 7.2Ah. The control panel must have a	pcs	2	$1,254.79	2,509.58
5.03.03.10.08.0	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting two automatic and two zones for manual detectors, with a relay module for activating alarm devices of extinguishing systems and other executive functions, complete with power supply unit and batteries for autonomous system operation , 2x12V 7.2Ah. The control panel must have a	pcs	2	$855.54	1,711.08
5.03.03.10.08.0	Conventional optical smoke detector, complete with mounting base, short circuit insulator and label	pcs	16	$38.97	623.52
5.03.03.10.08.0	Manual shut-off lock button	pcs	4	$32.32	129.28
5.03.03.10.08.0	Manual button to activate the shutdown	pcs	4	$32.32	129.28
5.03.03.10.08.0	Alarm siren with orange flash.	pcs	4	$74.15	296.60
5.03.03.10.08.0	Illuminated billboard with the inscription "GAS - LEAVE THE ROOM!" Or equivalent	pcs	4	$85.55	342.20
5.03.03.10.08.0	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For indoor installation or	pcs	2	$85.55	171.10
5.03.03.10.08.0	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For outdoor installation or equivalent	pcs	2	$142.59	285.18
5.03.03.10.08.1	Parallel indicator light	pcs	8	$11.41	91.28
5.03.03.10.08.1	Magnetic contact to monitor the openness of the fire door complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in aggressive environments and large temperature changes	pcs	4	$19.01	76.04

5.03.03.10.08.1	Aspiration smoke detector for computer cabinets in a room with space for 2 detector modules. It should allow the required number of sampling and air ducts to be connected to highly sensitive smoke sensors. Class A detector module. With 3 alarm levels (information, pre-alarm, alarm) for each detector, LED indication of detector status, error status and power status, maximum sensitivity 0.005% (light obscuratiom / m). It must constantly monitor the flow through the pipes and thus control the condition of the sample pipes and the contamination of the sample holes. The fan should have min. 2 operating speeds. With network card for LAN connection, integrated event memory. Complete with smoke sensors, filter modules, suction pipes, elbows, suction set	pcs	2	$4,562.88	9,125.76
5.03.03.10.08.1	Aspiration detector power supply cabinet, meets EN54 standard. The battery charging process is temperature and time controlled. The outputs have fuses. The cabinet contains all the necessary transformers, power supply units, circuit breakers, relay cards, input-output modules, batteries ... Set with accessories for connecting equipment and wall mounting. Power supply control by the system control panel via special addressable modules in the loop. (BOSCH FPP-5000 or equivalent)	pcs	2	$1,026.65	2,053.30
5.03.03.10.08.1	Installation cable type:		0		
	- JH (St) H 2x2x0.8	m	200	$0.50	100.00
	- JH (St) H 5x2x0.8	m	40	$1.08	43.20
	- NHXHX 3x1.5 FE180 / E30	m	100	$1.27	127.00
	- NHXHX 3x1.5 FE180 / E90	m	160	$1.27	203.20
	- JE-H (St) H / FE180 / E90 2x2x0.8	m	300	$1.74	522.00
5.03.03.10.08.1	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:		0		
	- Ø40	m	20	$1.16	23.20
	- Ø36	m	400	$1.16	464.00
	- Ø16	m	100	$0.37	37.00
05.03.03.10.08.16	Procurement and delivery of fire-fighting mixture. Calculated with an average penetration size of 0.3x0.3 m	m^2	4	$277.58	1,110.32
05.03.03.10.08.17	Small installation material (bag screws, arc clamps, dowels ...)	set	2	$380.24	760.48

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
3	**Whole Line**				
05.03.03.01.09.01	System configuration, issuance of certificates and commissioning (for the entire section)	Set	1	68,600.00	68,600.00
05.03.03.01.09.02	User training (for the whole section)	Set	1	4,704.00	4,704.00
05.03.03.01.09.03	Design and preparation of documentation (for the whole section)	Set	1	6,272.00	6,272.00
	Indjija				
05.03.03.02.15.01	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)	ком	1	$ 4,900.00	4,900.00
	Beska				
05.03.03.03.15.01	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)	pcs	1	$ 4,900.00	4,900.00
	Karlovci				
05.03.03.04.15.01	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)	pcs	1	$ 4,900.00	4,900.00
	Petrovaradin				
05.03.03.05.15.01	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)	pcs	1	$ 4,900.00	4,900.00

Br.	Description of works	Unit	QTY	Unit price (€)	Price ($)
			A	B	AxB
	Alarm Telephone				
05.03.03.10.06.01	Server system (hardware and software). Supports a minimum of 12 ports (alarm phones and operator terminals). 16 kHz audio bandwidth, control functions via relay outputs, monitored inputs for receiving signals from other systems, provides recording of audio material during conversations (memory space for 3,500 minutes at 7KHz). Monitoring of connected ports. Expandable number and type of ports, supports IP, digital and analog ports. It has the ability to connect software clients that are installed on a computer, tablet, smartphone; IP phone connections (SIP); integrations with analog and digital telephone systems, VOIP servers, DECT, radio and mobile communication systems; integrations with security systems (sound system, video surveillance, access control ...); two-way software integration with third-party systems via OPC, ICX protocols; Designed for mounting in a 19 "rack cabinet. (Commend GE800 or equivalent)	pcs	1	7,851.01	7,851.01
05.03.03.10.06.02	IP operator terminal (control panel). Equipped with color display with integrated WEB interface; alphanumeric keypad with function keys and a minimum of 12 direct dial keys with three-color LEDs, microphone and speaker. 16 kHz audio bandwidth, with built-in 2.5W amplifier, high sound level up to 99dB, simultaneous communication in both directions (OpenDuplex®); high volume audio monitoring, time and threshold adjustment in dB. Microphone and speaker self-test. Modular, expandable. (Commend Conductor CD810PI or equivalent)	pcs	1	3,944.99	3,944.99
05.03.03.10.06.03	IP alarm telephone (intercom terminal) intended for installation in tunnels (with the appropriate inscription). Equipped with a red call button in the shape of a mushroom, LEDs for information on the status of the terminal, a dynamic microphone. Minimum 2 monitored inputs and 2 programmable relay outputs; 7kHz audio bandwidth (HD Voice); simultaneous communication in both directions (OpenDuplex®); high volume audio monitoring, time and threshold adjustment in dB. Microphone and speaker self-test. Anti-vandal stainless steel front panel, IP65 degree of protection. Complete with built-in wall box and all the equipment needed for installation and connection. (Commend Y-100019-IP	pcs	10	2,240.56	22,405.60
05.03.03.10.06.04	Column for placing the intercom terminal outside the tunnel pipes made of cold-rolled steel; resistant to all weather conditions; with door and lock for easy access to electronics in the pole; IP66 degree of protection; stair height 1650mm;	pcs	4	444.88	1,779.52
05.03.03.10.06.05	Magnetic contact for door openness monitoring complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in aggressive environments and large temperature changes	pcs	12	62.74	752.88
05.03.03.10.06.06	Installation cable type:				
	- A-2Y (L) 2Y 2x2x0.8mm²	m	100	0.52	52.00
	- JH (St) H 2x2x0,8mm², at least in accordance with B2ca s1a a1 according to TSI SRT	m	500	1.64	820.00
05.03.03.10.06.07	Small and other unspecified materials and works	set	1	380.24	380.24
	Commissioning of all equipment (basic functionality with check of all points of the network)	set	1	2,450.00	2,450.00
	Integration of equipment (basic functionality with check of all points of the network) and testing for the Owner /Investor's basic acceptance	set	1	2,254.00	2,254.00
	Global acceptance and verification	set	1		Free of Charge
	User training	set	1		Free of Charge
	Designing and preparation of documentation	set	1		Free of Charge
	Technical Telephone				
05.03.03.10.07.01	Server system (hardware and software). Supports a minimum of 12 ports (alarm phones and operator terminals). 16 kHz audio bandwidth, control functions via relay outputs, monitored inputs for receiving signals from other systems, provides recording of audio material during conversations (memory space for 3,500 minutes at 7KHz). Monitoring of connected ports. Expandable number and type of ports, supports IP, digital and analog ports. It has the ability to connect software clients that are installed on a computer, tablet, smartphone; IP phone connections (SIP); integrations with analog and digital telephone systems, VOIP servers, DECT, radio and mobile communication systems; integrations with security systems (sound system, video surveillance, access control ...); two-way software integration with third-party systems via OPC, ICX protocols; Designed for mounting in a 19 "rack cabinet. (Commend GE800 or equivalent)	pcs	1	7,851.01	7,851.01
05.03.03.10.07.02	IP operator terminal (control panel). Equipped with color display with integrated WEB interface; alphanumeric keypad with function keys and a minimum of 8 direct dial keys with LEDs in three colors, microphone and speaker. 16 kHz audio bandwidth, with built-in 2.5W amplifier, high sound level up to 99dB, simultaneous communication in both directions (OpenDuplex®); high volume audio monitoring, time and threshold adjustment in dB. Microphone and speaker self-test. Modular, expandable. (Commend Conductor CD810PI or equivalent)	pcs	1	3,944.99	3,944.99
05.03.03.10.07.03	IP telephone (intercom terminal) intended for installation in tunnels (with adequate inscription). Equipped with a call button in the shape of a mushroom, LEDs for information on the status of the terminal, a dynamic microphone. Minimum 2 monitored inputs and 2 programmable relay outputs; 7kHz audio bandwidth (HD Voice); simultaneous communication in both directions (OpenDuplex®); high volume audio monitoring, time and threshold adjustment in dB. Microphone and speaker self-test. Anti-vandal stainless steel front panel, IP65 degree of protection. Complete with built-in wall box and all the equipment needed for installation and connection. (Commend Y-100019-IP or equivalent)	pcs	4	2,240.56	8,962.24

05.03.03.10.07.04	Column for placing the intercom terminal outside the tunnel pipes made of cold-rolled steel; resistant to all weather conditions; with door and lock for easy access to electronics in the pole; IP66 degree of protection; stair height 1650mm;	pcs	4	541.84	2,167.36
05.03.03.10.07.05	Small and other unspecified materials and works	set	1	285.18	285.18
	Commissioning of all equipment (basic functionality with check of all points of the network)	set	1	3,430.00	3,430.00
	Integration of equipment (basic functionality with check of all points of the network) and testing for the Owner /Investor's basic acceptance	set	1	2,940.00	2,940.00
	Global acceptance and verification	set	1		Free of Charge
	User training	set	1		Free of Charge
	Designing and preparation of documentation	set	1		Free of Charge
	RADIO SIGNAL DISTRIBUTION-M				
05.03.03.10.08.11	TETRA base station with two base radios, for cabinet installation, in the frequency range 380 - 400 MHz. With a GPS receiver installed and	pcs	1	95,628.40	95,628.40
	Commissioning of all equipment (basic	set	1	7,056.00	7,056.00
	Integration of equipment (basic functionality with	set	1	13,230.00	13,230.00
	Global acceptance and verification	set	1	2,940.00	2,940.00
	User training	set	1	4,900.00	4,900.00
	Designing and preparation of documentation	set	1	9,800.00	9,800.00
	TOTAL system equipment set:	**set**	**2**	**95,628.40**	**191,256.80**
	extended waranty- additional 4 years	**set**	**2**	**14,917.56**	**29,835.12**
	Engineering services	**set**	**1**	**37,926.00**	**37,926.00**
	Total Materials, extend warranty +Engineering services				**259,017.92**

Br.	Description of works	Unit	QTY	Unit price ($)	Price ($)
			A		AxB
	Indjija				
05.03.03.02.16.01	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays, equipped with the following elements:	ком	1	$84.85	84.85
	- 10x2 isolating strip with IDC connectors, with double contacts on the shunting side	ком	2	$4.50	9.00
	- connection strip 10x2 with IDC connectors, with double contacts on the shunting side	ком	2	$4.50	9.00
	- marking block	ком	2	$3.00	6.00
	- fuse module 10x2 10KA / 10A	ком	2	$8.90	17.80
	- mechanical mass drain	ком	4	$4.00	16.00
05.03.03.02.16.02	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	$1.18	11.80
	- Ø36	m	50	$1.18	59.00
05.03.03.02.16.03	Installation cable type:				
	J-H (St) H 10x2x0.8	m	80	$1.98	158.40
	Beska				
05.03.03.03.16.01	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays, equipped with the following elements:	pcs	1	$84.85	84.85
	- 10x2 switch strip with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- connection strip 10x2 with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- marking block	pcs	2	$3.00	6.00
	- fuse module 10x2 10KA / 10A	pcs	2	$8.90	17.80
	- mechanical mass drain	pcs	4	$4.00	16.00
05.03.03.03.16.02	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	$1.18	11.80
	- Ø36	m	50	$1.18	59.00
03/05/03/16/03	Installation cable type:				
	JH (St) H 10x2x0.8	m	80	$1.98	158.40
	Karlovci				
05.03.03.04.16.01	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays, equipped with the following elements:	pcs	1	$84.85	84.85
	- 10x2 switch strip with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- connection strip 10x2 with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- marking block	pcs	2	$3.00	6.00
	- fuse module 10x2 10KA / 10A	pcs	2	$8.90	17.80
	- mechanical mass drain	pcs	4	$4.00	16.00
05.03.03.04.16.02	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	$1.18	11.80
	- Ø36	m	50	$1.18	59.00
05.03.03.04.15.03	Installation cable type:				
	JH (St) H 10x2x0.8	m	80	$1.98	158.40

	Petrovaradin				
05.03.03.05.16.01	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays, equipped with the following elements:	pcs	1	$84.85	84.85
	- 10x2 switch strip with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- connection strip 10x2 with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- marking block	pcs	2	$3.00	6.00
	- fuse module 10x2 10KA / 10A	pcs	2	$8.90	17.80
	- mechanical mass drain	pcs	4	$4.00	16.00
05.03.03.05.16.02	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	$1.18	11.80
	- Ø36	m	50	$1.18	59.00
05.03.03.05.16.03	Installation cable type:				
	JH (St) H 10x2x0.8	m	80	$1.98	158.40
	Karlovac				
05.03.03.06.11.01	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays, equipped with the following elements:	pcs	1	$84.85	84.85
	- 10x2 switch strip with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- connection strip 10x2 with IDC connectors, with double contacts on the shunting side	pcs	2	$4.50	9.00
	- marking block	pcs	2	$3.00	6.00
	- fuse module 10x2 10KA / 10A	pcs	2	$8.90	17.80
	- mechanical mass drain	pcs	4	$4.00	16.00
05.03.03.06.11.02	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	$1.18	11.80
	- Ø36	m	50	$1.18	59.00
05.03.03.06.11.03	Installation cable type:				
	JH (St) H 10x2x0.8	m	80	$1.98	158.40
	Facility 4				
05.03.06.07.01	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays, equipped with the following elements:	pcs	1	84.85	84.85
	- 10x2 switch strip with IDC connectors, with double contacts on the shunting side	pcs	3	4.50	13.50
	- connection strip 10x2 with IDC connectors, with double contacts on the shunting side	pcs	2	4.50	9.00
	- marking block	pcs	2	3.00	6.00
	- fuse module 10x2 10KA / 10A	pcs	2	8.90	17.80
	- mechanical mass drain	pcs	5	4.00	20.00
05.03.06.07.02	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner				
	- Ø40	m	10	1.18	11.80
	- Ø36	m	50	1.18	59.00
05.03.06.07.03	Installation cable type:				
	JH (St) H 10x2x0.8	m	80	1.98	158.40
	JH (St) H 2x2x0.8	m	80	0.51	40.80

VOIP

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Interface to the existing JAT exchange. Communication with the main VoIP exchange via E1 / SIP trunk, signaling SS7, R2, PRI, QSIG, BRI)_Whole line	SET	47614.37	P1	Whole line
2	Truns/unit for remote subscribers. Comes complete with all mounting equipment and cables for connecting to both on exchange and terminal device side_Whole line	SET	3765.3	P1	Whole line
3	System expansion. It includes the purchase of all necessary equipment and software (server, software,system cables)_Whole line	SET	2812.06	P1	Whole line
4	Installation of equipment with connection to the performed installation_Material and works	SET	4756.67	P1	Material and works
5	Commissioning of all equipment (basic functionality with checking all network points) - for the entire section_Material and works	SET	12630.44	P1	Material and works
6	Integration of equipment (basic functionality with checking all points of the network) and testing with the consent of the Owner / Investor - for the entire section_Material and works	SET	3384	P1	Material and works
7	General approval and verification - for the entire section_Material and works	SET	2097.13	P1	Material and works
8	User training (for the whole section)_Material and works	SET	4718.54	P1	Material and works
9	Design and preparation of documentation (for the whole section)_Material and works	SET	8817.48	P1	Material and works
10	Local VoIP exchange for 200 voice users, expandable up to 1000. (eSpace U1960 or equivalent)_NoviSad	PCS	66679.18	P0	NoviSad
11	Installation of equipment with connection to the performed installation with all necessary equipment_NoviSad	SET	7196.97	P1	NoviSad
12	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_Indijia	PCS	1420.33	P0	Indijia
13	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_Indijia	PCS	691.1	P0	Indijia
14	Basic type of IP phone with LCD monitor min 2.83 in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with adapter_Indijia	PCS	414.66	P0	Indijia
15	More complex type of IP phone with LCD monitor min 5 in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter_Indijia	PCS	414.66	P0	Indijia
16	Installation of equipment with connection to the performed installation with all necessary equipment_Indijia	SET	1858.82	P1	Indijia
17	Port with a minimum of 16 FXS ports, 1 WAN port,	PCS	1420.33	P0	Beshka

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	and 2 LAN ports_Beshka				
18	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_Beshka	PCS	691.1	P0	Beshka
19	Basic type of IP phone with LCD monitor min 2.83 in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with adapter_Beshka	PCS	414.66	P0	Beshka
20	More complex type of IP phone with LCD monitor min 5 in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter_Beshka	PCS	414.66	P0	Beshka
21	Installation of equipment with connection to the performed installation with all necessary equipment_Beshka	SET	1191.55	P1	Beshka
22	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_SREMSKI KARLOVIC	PCS	1420.33	P0	SREMSKI KARLOVIC
23	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_SREMSKI KARLOVIC	PCS	691.1	P0	SREMSKI KARLOVIC
24	Basic type of IP phone with LCD monitor min 2.83 in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with adapter_SREMSKI KARLOVIC	PCS	414.66	P0	SREMSKI KARLOVIC
25	More complex type of IP phone with LCD monitor min 5 in color_SREMSKI KARLOVIC	PCS	414.66	P0	SREMSKI KARLOVIC
26	Installation of equipment with connection to the performed installation with all necessary equipment_SREMSKI KARLOVIC	SET	1191.55	P1	SREMSKI KARLOVIC
27	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_PETROVARADIN	PCS	1420.33	P0	PETROVARADIN
28	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_PETROVARADIN	PCS	691.1	P0	PETROVARADIN
29	Basic type of IP phone with LCD monitor min 2.83 in color_PETROVARADIN	PCS	414.66	P0	PETROVARADIN
30	More complex type of IP phone with LCD monitor min 5 in color_PETROVARADIN	PCS	414.66	P0	PETROVARADIN
31	Installation of equipment with connection to the performed installation with all necessary equipment_PETROVARADIN	SET	1477.52	P1	PETROVARADIN
32	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_HUNDRED KARLOVAC VINEYARDS	PCS	1420.33	P0	HUNDRED KARLOVAC VINEYARDS
33	Basic type of IP phone with LCD monitor min 2.83 in color_HUNDRED KARLOVAC VINEYARDS	PCS	414.66	P0	HUNDRED KARLOVAC VINEYARDS
34	More complex type of IP phone with LCD monitor min 5 in color_HUNDRED KARLOVAC VINEYARDS	PCS	414.66	P0	HUNDRED KARLOVAC VINEYARDS
35	Installation of equipment with connection to the performed installation with all necessary equipment_ HUNDRED KARLOVAC VINEYARDS	SET	619.61	P1	HUNDRED KARLOVAC VINEYARDS
36	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_EVP Indjija	PCS	691.1	P0	EVP Indjija
37	Basic type of IP phone with LCD monitor min 2.83 in color_EVP Indjija	PCS	414.66	P0	EVP Indjija
38	Installation of equipment with connection to the performed installation with all necessary equipment_EVP Indjija	SET	905.58	P1	EVP Indjija
39	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_PSN Beska	PCS	691.1	P0	PSN Beska
40	Basic type of IP phone with LCD monitor min 2.83 in color_PSN Beska	PCS	414.66	P0	PSN Beska
41	Installation of equipment with connection to the performed installation with all necessary equipment_PSN Beska	SET	714.93	P1	PSN Beska
42	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_PS Sremski Karlovci	PCS	691.1	P0	PS Sremski Karlovci
43	Basic type of IP phone with LCD monitor min 2.83 in	PCS	414.66	P0	PS Sremski Karlovci

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	color_PS Sremski Karlovci				
44	Installation of equipment with connection to the performed installation with all necessary equipment_PS Sremski Karlovci	SET	714.93	P1	PS Sremski Karlovci

Video Surveilance

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Procurement and delivery of licenses for cameras for IP video management system of video surveillance (BOSCH BVMS Professional 10.0, License Camera/decoder expansion or equivalent)_Regional Beograd Centar	PCS	158.76	P0	Regional Beograd Centar
2	Procurement and delivery of licenses for workstations for video management system IP video surveillance (BOSCH BVMS Professional 10.1, License Workstation expansion or equivalent_Regional Beograd Centar	PCS	289.1	P0	Regional Beograd Centar
3	Procurement and delivery of licenses for cameras for IP video management system of video surveillance (BOSCH BVMS Professional 10.0, License Camera/decoder expansion or equivalent)_Regional Novi Sad	PCS	158.76	P0	Regional Novi Sad
4	Procurement and delivery of licenses for workstations for video management system IP video surveillance (BOSCH BVMS Professional 10.1, License Workstation expansion or equivalent)_Regional Novi Sad	PCS	289.1	P0	Regional Novi Sad
5	Procurement and delivery of license for IP video management system for additional server of video surveillance (BOSCH BVMS Professional 10.1, License Professional base or equivalent)_Regional Novi Sad	PCS	5878.77	P0	Regional Novi Sad
6	Appropriate servers for software instalation. Completed with system cables and all necessary equipment. (BOSCH MHW-S380RA-SC or equivalent)_Regional Novi Sad	PCS	7170.01	P0	Regional Novi Sad
7	System configuration, issuing of attestation and Commissioning including all necessary software, works_Entire section	SET	34300	P1	Entire section
8	User training_Entire section	SET	1960	P1	Entire section
9	Designing and preparation of documentation_Entire section	SET	19600	P1	Entire section
10	Network storage device based on iSCSI interface. Adjustable hardware protection (RAID-5 or RAID-6) Optimized for 24/7 operation, certified by the manufacturer of video management software. Redundant power supply (hot-swapp)_Novi Sad	PCS	14673.54	P0	Novi Sad
11	Client workstation for video monitoring,__Novi Sad	PCS	3773	P0	Novi Sad
12	Professional monitor for video surveillance systems type LED / Diagonal 42 "Wide / Resolution 1920x1080 Full HD__Novi Sad	PCS	1910.02	P0	Novi Sad
13	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems with the following characteristics: 1920x1080Px_Novi Sad	PCS	1314.18	P0	Novi Sad
14	Small and other unspecified materials and works_Novi Sad	SET	466.48	P0	Novi Sad
15	IP bullet ONVIF Day / Night full HD 1080p camera, sensor 1 / 2.8 "CMOS HD 1937 x 1097 (2.12MP) _Indjija	PCS	653.66	P0	Indjija

No.	Description	UOM	Unit Price	Payment Terms	Remarks
16	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)_Indjija	PCS	63.7	P0	Indjija
17	IP Dome ONVIF Day / Night full HD camera, sensor _Indjija	PCS	396.9	P0	Indjija
18	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens_Indjija	PCS	1039.78	P0	Indjija
19	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Indjija	PCS	64.68	P0	Indjija
20	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and 360 ° Fisheye lens 1.19 mm _Indjija	PCS	510.58	P0	Indjija
21	Client video monitoring workstation_Indjija	PCS	3773	P0	Indjija
22	Wide LED monitor 32 Full HD optimized for 24/7 operation_Indjija	PCS	1314.18	P0	Indjija
23	Small and other unspecified materials and works_Indjija	SET	466.48	P0	Indjija
24	Network storage device based on iSCSI interface. Adjustable hardware protection (RAID-5 or RAID-6) _SUB Indjija	PCS	14673.54	P0	SUB Indjija
25	Small and other unspecified materials and works_SUB Indjija	SET	466.48	P0	SUB Indjija
26	IP bullet ONVIF Day / Night full HD 1080p camera, sensor 1 / 2.8 "CMOS HD 1937 x 1097 (2.12MP) with built-in 2.8-12mm lens with auto focus and iris_Beska	PCS	653.66	P0	Beska
27	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)_Beska	PCS	63.7	P0	Beska
28	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_Beska	PCS	396.9	P0	Beska
29	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens_Beska	PCS	1039.78	P0	Beska
30	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Beska	PCS	64.68	P0	Beska
31	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 Fisheye lens 1.19 mm_Beska	PCS	510.58	P0	Beska
32	Client workstation for video monitoring_Beska	PCS	3773	P0	Beska
33	Wide LED monitor 32 "Full HD optimized for 24/7 operation_Beska	PCS	1314.18	P0	Beska
34	Small and other unspecified materials and works_Beska	SET	466.48	P0	Beska
35	IP bullet ONVIF Day / Night full HD 1080p camera, sensor 1 / 2.8 "CMOS HD 1937 x 1097 (2.12MP) with built-in 2.8-12mm lens with auto focus and iris_Karlovci	PCS	653.66	P0	Karlovci
36	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)_Karlovci	PCS	63.7	P0	Karlovci
37	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_Karlovci	PCS	396.9	P0	Karlovci
38	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) _Karlovci	PCS	1039.78	P0	Karlovci
39	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Karlovci	PCS	64.68	P0	Karlovci
40	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 Fisheye lens 1.19 mm_Karlovci	PCS	510.58	P0	Karlovci
41	Client workstation for video monitoring_Karlovci	PCS	3773	P0	Karlovci
42	Wide LED monitor 32 "Full HD optimized for 24/7 operation_Karlovci	PCS	1314.18	P0	Karlovci
43	Small and other unspecified materials and works_Karlovci	PCS	466.48	P0	Karlovci
44	IP bullet ONVIF Day / Night full HD 1080p camera, sensor 1 / 2.8 "CMOS HD 1937 x 1097 (2.12MP) with built-in 2.8-12mm lens with auto focus and iris_Petrovaradin	PCS	653.66	P0	Petrovaradin

No.	Description	UOM	Unit Price	Payment Terms	Remarks
45	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)_Petrovaradin	PCS	63.7	P0	Petrovaradin
46	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_Petrovaradin	PCS	396.9	P0	Petrovaradin
47	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris_Petrovaradin	PCS	1039.78	P0	Petrovaradin
48	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Petrovaradin	PCS	64.68	P0	Petrovaradin
49	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 Fisheye lens 1.19 mm_Petrovaradin	PCS	510.58	P0	Petrovaradin
50	Client workstation for video monitorin_Petrovaradin	PCS	3773	P0	Petrovaradin
51	Wide LED monitor 32 "Full HD optimized for 24/7 operation with video surveillance systems_Petrovaradin	PCS	1314.18	P0	Petrovaradin
52	Small and other unspecified materials and works_Petrovaradin	SET	466.48	P0	Petrovaradin
53	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_Karlovac	PCS	396.9	P0	Karlovac
54	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris_Karlovac	PCS	1039.78	P0	Karlovac
55	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Karlovac	PCS	64.68	P0	Karlovac
56	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch IP CMOS and with 360 Fisheye lens 1.19 mm_Karlovac	PCS	510.58	P0	Karlovac
57	Client workstation for video monitoring_Karlovac	PCS	3773	P0	Karlovac
58	Wide LED monitor 32 "Full HD optimized for 24/7 operation_Karlovac	PCS	1314.18	P0	Karlovac
59	Small and other unspecified materials and works_Karlovac	PCS	466.48	P0	Karlovac
60	Fixed IP ONVIF Day / Night 5Mpix camera, 1 / 1.8 " CMOS 6.1MP sensor_Bridge	PCS	964.32	P0	Bridge
61	Barifocal megapixel lens IR corrected lens. 1 / 1.8 " sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)_Bridge	PCS	129.36	P0	Bridge
62	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10. (BOSCH UHO-POE-10 or equivalent)_Bridge	PCS	161.7	P0	Bridge
63	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)_Bridge	PCS	43.12	P0	Bridge
64	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)_Bridge	PCS	64.68	P0	Bridge
65	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. Features _Bridge	PCS	2678.34	P0	Bridge
66	Small and other unspecified materials and works_Bridge	SET	187.18	P0	Bridge
67	Fixed IP ONVIF Day / Night 5Mpix camera, 1 / 1.8 " CMOS 6.1MP sensor_Mechanical engineering	PCS	964.32	P0	Mechanical engineering
68	Barifocal megapixel lens IR corrected lens. 1 / 1.8 " sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)_Mechanical engineering	PCS	129.36	P0	Mechanical engineering
69	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10. (BOSCH UHO-POE-10 or equivalent)_Mechanical engineering	PCS	161.7	P0	Mechanical engineering

No.	Description	UOM	Unit Price	Payment Terms	Remarks
70	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)_Mechanical engineering	PCS	43.12	P0	Mechanical engineering
71	Pillar bracket adapter (BOSCH LTC 9213/01 or equivalent)_Mechanical engineering	PCS	64.68	P0	Mechanical engineering
72	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. Features_Mechanical engineering	PCS	2678.34	P0	Mechanical engineering
73	Small and other unspecified materials and works_Mechanical engineering	SET	187.18	P0	Mechanical engineering
74	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_EVP Indjija	PCS	396.9	P0	EVP Indjija
75	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens _EVP Indjija	PCS	1039.78	P0	EVP Indjija
76	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_EVP Indjija	PCS	64.68	P0	EVP Indjija
77	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 ° Fisheye lens 1.19 mm_EVP Indjija	PCS	510.58	P0	EVP Indjija
78	Small and other unspecified materials and works_EVP Indjija	SET	466.48	P0	EVP Indjija
79	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_PSN Beska	PCS	396.9	P0	PSN Beska
80	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens_PSN Beska	PCS	1039.78	P0	PSN Beska
81	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_PSN Beska	PCS	64.68	P0	PSN Beska
82	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 Fisheye lens 1.19 mm_PSN Beska	PCS	510.58	P0	PSN Beska
83	Small and other unspecified materials and works_PSN Beska	SET	466.48	P0	PSN Beska
84	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_PS Sremski Karlovci	PCS	396.9	P0	PS Sremski Karlovci
85	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris_PS Sremski Karlovci	PCS	1039.78	P0	PS Sremski Karlovci
86	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_PS Sremski Karlovci	PCS	64.68	P0	PS Sremski Karlovci
87	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 Fisheye lens 1.19 mm_PS Sremski Karlovci	PCS	510.58	P0	PS Sremski Karlovci
88	Small and other unspecified materials and works_PS Sremski Karlovci	SET	466.48	P0	PS Sremski Karlovci
89	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_OGF Indjija pustara	PCS	396.9	P0	OGF Indjija pustara
90	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens_OGF Indjija pustara	PCS	1039.78	P0	OGF Indjija pustara
91	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent))_OGF Indjija pustara	PCS	64.68	P0	OGF Indjija pustara
92	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 ° Fisheye lens 1.19 mm._OGF Indjija pustara	PCS	510.58	P0	OGF Indjija pustara
93	Small and other unspecified materials and works)_OGF Indjija pustara	SET	466.48	P0	OGF Indjija pustara
94	Fixed IP ONVIF Day / Night 5Mpix camera, 1 / 1.8 " CMOS 6.1MP sensor_Tunnel	PCS	964.32	P0	Tunnel

No.	Description	UOM	Unit Price	Payment Terms	Remarks
95	Barifocal megapixel lens IR corrected lens. 1 / 1.8 " sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8_Tunnel	PCS	129.36	P0	Tunnel
96	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10. (BOSCH UHO-POE-10 or equivalent)_Tunnel	PCS	161.7	P0	Tunnel
97	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work (BOSCH LTC 9215/00 or equivalent)_Tunnel	PCS	43.12	P0	Tunnel
98	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor. _Tunnel	PCS	2678.34	P0	Tunnel
99	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Tunnel	PCS	49.98	P0	Tunnel
100	retrospective forensic examination; (BOSCH NBN-73023-BA or equivalent)_Tunnel	PCS	964.32	P0	Tunnel
101	Barifocal megapixel lens IR corrected lens. 1 / 1.8 " sensor; CS-mount; 4-pin SR-iris; 5MP; 4.1 to 9 mm; F1.6 to F8 (Bosch LVF-5005C-S4109 or equivalent)_Tunnel	PCS	129.36	P0	Tunnel
102	Aluminum housing for outdoor mounting for Day / Night IP cameras, with heater, fan and sunshade and with tamper protection, power supply PoE 823.at (with camera) IP66, IK10_Tunnel	PCS	161.7	P0	Tunnel
103	Hinged bracket for housing and camera, for wall mounting with internal cable duct, with all necessary material and fixing work _Tunnel	PCS	39.2	P0	Tunnel
104	Small and other unspecified materials and works_Tunnel	SET	373.38	P0	Tunnel
105	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_OGF BTS	PCS	396.9	P0	OGF BTS
106	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens_OGF BTS	PCS	1039.78	P0	OGF BTS
107	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_OGF BTS	PCS	64.68	P0	OGF BTS
108	IP Panoramic ceiling ONVIF 5Mpix camera with 1/3 inch CMOS and with 360 ° Fisheye lens 1.19 mm_OGF BTS	PCS	510.58	P0	OGF BTS
109	Small and other unspecified materials and works_OGF BTS	SET	187.18	P0	OGF BTS
110	IP Dome ONVIF Day / Night full HD camera, sensor 1 / 2.9 "CMOS HD 3072 x 1728 (5MP) with built-in lens 3.2 to 10mm with auto focus and iris_Power plants	PCS	396.9	P0	Power plants
111	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens with auto focus and iris_Power plants	PCS	1039.78	P0	Power plants
112	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Power plants	PCS	64.68	P0	Power plants
113	Small and other unspecified materials and works)_Power plants	SET	187.18	P0	Power plants
114	Full HD1080P IP PTZ camera. 1 / 2.8 " CMOS (2.38 MP) size sensor_Facility 4	PCS	2678.34	P0	Facility 4
115	IP Dome ONVIF Day / Night full HD 1080p camera, sensor 1/3 "CMOS HD 2048 x 1536 (3MP) with built-in 3.8-13mm lens _Facility 4	PCS	1039.78	P0	Facility 4
116	Wall-mounted dome camera adapter (BOSCH VDA-832FHD-WMT or equivalent)_Facility 4	PCS	64.68	P0	Facility 4
117	Client workstation for video monitoring_Facility 4	PCS	3773	P0	Facility 4
118	Wide LED monitor 32 "Full HD optimized for 24/7 operation_Facility 4	PCS	1314.18	P0	Facility 4
119	Network "All-in-One" storage device, configured iSCSI array of 8x2 TB_Facility 4	PCS	10694.74	P0	Facility 4

No.	Description	UOM	Unit Price	Payment Terms	Remarks
120	Small and other unspecified materials and works_Facility 4	SET	373.38	P0	Facility 4

VOIP

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Interface to the existing JAT exchange. Communication with the main VoIP exchange via E1 / SIP trunk, signaling SS7, R2, PRI, QSIG, BRI)_Whole line	SET	47614.37	P1	Whole line
2	Truns/unit for remote subscribers. Comes complete with all mounting equipment and cables for connecting to both on exchange and terminal device side_Whole line	SET	3765.3	P1	Whole line
3	System expansion. It includes the purchase of all necessary equipment and software (server, software,system cables)_Whole line	SET	2812.06	P1	Whole line
4	Installation of equipment with connection to the performed installation_Material and works	SET	4756.67	P1	Material and works
5	Commissioning of all equipment (basic functionality with checking all network points) - for the entire section_Material and works	SET	12630.44	P1	Material and works
6	Integration of equipment (basic functionality with checking all points of the network) and testing with the consent of the Owner / Investor - for the entire section_Material and works	SET	3384	P1	Material and works
7	General approval and verification - for the entire section_Material and works	SET	2097.13	P1	Material and works
8	User training (for the whole section)_Material and works	SET	4718.54	P1	Material and works
9	Design and preparation of documentation (for the whole section)_Material and works	SET	8817.48	P1	Material and works
10	Local VoIP exchange for 200 voice users, expandable up to 1000. (eSpace U1960 or equivalent)_NoviSad	PCS	66679.18	P0	NoviSad
11	Installation of equipment with connection to the performed installation with all necessary equipment_NoviSad	SET	7196.97	P1	NoviSad
12	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_Indijia	PCS	1420.33	P0	Indijia
13	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_Indijia	PCS	691.1	P0	Indijia
14	Basic type of IP phone with LCD monitor min 2.83 in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with adapter_Indijia	PCS	414.66	P0	Indijia
15	More complex type of IP phone with LCD monitor min 5 in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter_Indijia	PCS	414.66	P0	Indijia
16	Installation of equipment with connection to the performed installation with all necessary equipment_Indijia	SET	1858.82	P1	Indijia
17	Port with a minimum of 16 FXS ports, 1 WAN port,	PCS	1420.33	P0	Beshka

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	and 2 LAN ports_Beshka				
18	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_Beshka	PCS	691.1	P0	Beshka
19	Basic type of IP phone with LCD monitor min 2.83 in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with adapter_Beshka	PCS	414.66	P0	Beshka
20	More complex type of IP phone with LCD monitor min 5 in color. Provides min 6 lines, 1 wireless connection with headphones and expandable with programmable keys (with LED indication). 2 GE ports (10/100/1000). Complete with adapter_Beshka	PCS	414.66	P0	Beshka
21	Installation of equipment with connection to the performed installation with all necessary equipment_Beshka	SET	1191.55	P1	Beshka
22	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_SREMSKI KARLOVIC	PCS	1420.33	P0	SREMSKI KARLOVIC
23	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_SREMSKI KARLOVIC	PCS	691.1	P0	SREMSKI KARLOVIC
24	Basic type of IP phone with LCD monitor min 2.83 in color. Provides min 2 lines, with programmable and fixed keys (with LED indication), Speaker / Headset / Mute / Navigation. 2 GE ports (10/100/1000). with adapter_SREMSKI KARLOVIC	PCS	414.66	P0	SREMSKI KARLOVIC
25	More complex type of IP phone with LCD monitor min 5 in color_SREMSKI KARLOVIC	PCS	414.66	P0	SREMSKI KARLOVIC
26	Installation of equipment with connection to the performed installation with all necessary equipment_SREMSKI KARLOVIC	SET	1191.55	P1	SREMSKI KARLOVIC
27	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_PETROVARADIN	PCS	1420.33	P0	PETROVARADIN
28	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_PETROVARADIN	PCS	691.1	P0	PETROVARADIN
29	Basic type of IP phone with LCD monitor min 2.83 in color_PETROVARADIN	PCS	414.66	P0	PETROVARADIN
30	More complex type of IP phone with LCD monitor min 5 in color_PETROVARADIN	PCS	414.66	P0	PETROVARADIN
31	Installation of equipment with connection to the performed installation with all necessary equipment_PETROVARADIN	SET	1477.52	P1	PETROVARADIN
32	Port with a minimum of 16 FXS ports, 1 WAN port, and 2 LAN ports_HUNDRED KARLOVAC VINEYARDS	PCS	1420.33	P0	HUNDRED KARLOVAC VINEYARDS
33	Basic type of IP phone with LCD monitor min 2.83 in color_HUNDRED KARLOVAC VINEYARDS	PCS	414.66	P0	HUNDRED KARLOVAC VINEYARDS
34	More complex type of IP phone with LCD monitor min 5 in color_HUNDRED KARLOVAC VINEYARDS	PCS	414.66	P0	HUNDRED KARLOVAC VINEYARDS
35	Installation of equipment with connection to the performed installation with all necessary equipment_ HUNDRED KARLOVAC VINEYARDS	SET	619.61	P1	HUNDRED KARLOVAC VINEYARDS
36	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_EVP Indjija	PCS	691.1	P0	EVP Indjija
37	Basic type of IP phone with LCD monitor min 2.83 in color_EVP Indjija	PCS	414.66	P0	EVP Indjija
38	Installation of equipment with connection to the performed installation with all necessary equipment_EVP Indjija	SET	905.58	P1	EVP Indjija
39	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_PSN Beska	PCS	691.1	P0	PSN Beska
40	Basic type of IP phone with LCD monitor min 2.83 in color_PSN Beska	PCS	414.66	P0	PSN Beska
41	Installation of equipment with connection to the performed installation with all necessary equipment_PSN Beska	SET	714.93	P1	PSN Beska
42	Port with a minimum of 8 FXS ports, 1 WAN port, and 2 LAN ports_PS Sremski Karlovci	PCS	691.1	P0	PS Sremski Karlovci
43	Basic type of IP phone with LCD monitor min 2.83 in	PCS	414.66	P0	PS Sremski Karlovci

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	color_PS Sremski Karlovci				
44	Installation of equipment with connection to the performed installation with all necessary equipment_PS Sremski Karlovci	SET	714.93	P1	PS Sremski Karlovci

Two way communication

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0, and Payment terms P0

No.	Description	UOM	Unit Price	Remarks
1	Set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid. (ATEIS Magellan Compact or equivalent)_Indjija	SET	1279.51	Indjija
2	A set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid(ATEIS Magellan Compact or equivalent)_Beska	SET	1279.51	Beska
3	A set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid(ATEIS Magellan Compact or equivalent)_Karlovci	SET	1279.51	Karlovci
4	A set for hands-free two-way communication at counters consisting of a central, slave device and an induction loop for a hearing aid(ATEIS Magellan Compact or equivalent)_Petrovaradin	SET	1279.51	Petrovaradin

Tetra System Tunnel

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms
1	TETRA base station with two base radios, for cabinet installation, in the frequency range 380 - 400 MHz. With a GPS receiver installed and capable of operating with 220 VAC and with - 48VDC.	PCS	95628.4	P0
2	Commissioning of all equipment (basic functionality with check of all points of the network)	SET	7056	P1
3	Integration of equipment (basic functionality with check of all points of the network) and testing for the Owner /Investor's basic acceptance	SET	13230	P1
4	Global acceptance and verification	SET	2940	P1
5	User training	SET	4900	P1
6	Designing and preparation of documentation	SET	9800	P1
7	extended waranty- additional 4 years	SET	14917.56	P1

SOS

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Interface connection_Whole line	SET	39.93	P1	Whole line
2	System configuration, issuance of certificates and commissioning _Whole line	SET	6860	P1	Whole line
3	User training_Whole line	SET	1470	P1	Whole line
4	Design and preparation of documentation_Whole line	SET	2450	P1	Whole line
5	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network_Indjija	PCS	513.32	P0	Indjija
6	Calling resolution combination. It has the following functions: receiving information from the call keys (PRK 2040 or equivalent)_Indjija	PCS	85.55	P0	Indjija
7	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)_Indjija	PCS	26.62	P0	Indjija
8	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet_Indjija	PCS	17.11	P0	Indjija
9	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Indjija	PCS	34.22	P0	Indjija
10	Installation cable type: JH (St) H 3x2x0.8_Indjija	M	0.7	P0	Indjija
11	Installation cable type:JH (St) H 2x2x0.6_Indjija	M	0.45	P0	Indjija
12	Small and other unspecified materials and works_Indjija	SET	28.52	P0	Indjija
13	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network_Beska	PCS	513.32	P0	Beska
14	Calling resolution combination. It has the following functions: receiving information from the call keys(PRK 2040 or equivalent)_Beska	PCS	85.55	P0	Beska
15	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)_Beska	PCS	26.62	P0	Beska
16	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet_Beska	PCS	17.11	P0	Beska
17	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Beska	PCS	34.22	P0	Beska
18	Installation cable type: JH (St) H 3x2x0.8_Beska	M	0.7	P0	Beska
19	Installation cable type:JH (St) H 2x2x0.6_Beska	M	0.45	P0	Beska
20	Small and other unspecified materials and works_Beska	SET	28.52	P0	Beska
21	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network_Karlovci	PCS	513.32	P0	Karlovci

No.	Description	UOM	Unit Price	Payment Terms	Remarks
22	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls(PRK 2040 or equivalent)_Karlovci	PCS	85.55	P0	Karlovci
23	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)_Karlovci	PCS	26.62	P0	Karlovci
24	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet_Karlovci	PCS	17.11	P0	Karlovci
25	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Karlovci	PCS	34.22	P0	Karlovci
26	Installation cable type: JH (St) H 3x2x0.8_Karlovci	M	0.7	P0	Karlovci
27	Installation cable type:JH (St) H 2x2x0.6_Karlovci	M	0.45	P0	Karlovci
28	Small and other unspecified materials and works_Karlovci	SET	28.52	P0	Karlovci
29	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network_Petrovaradin	PCS	513.32	P0	Petrovaradin
30	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls (PRK 2040 or equivalent)_Petrovaradin	PCS	85.55	P0	Petrovaradin
31	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)_Petrovaradin	PCS	26.62	P0	Petrovaradin
32	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet_Petrovaradin	PCS	17.11	P0	Petrovaradin
33	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Petrovaradin	PCS	34.22	P0	Petrovaradin
34	Installation cable type: JH (St) H 3x2x0.8_Petrovaradin	M	0.7	P0	Petrovaradin
35	Installation cable type:JH (St) H 2x2x0.6_Petrovaradin	M	0.47	P0	Petrovaradin
36	Small and other unspecified materials and works_Petrovaradin	SET	28.52	P0	Petrovaradin
37	Central panel that has the following functions: reception and light-sound presentation of calls, call acknowledgment and protocol management of all calls, connection to the Ethernet network_Facility 4	PCS	513.32	P0	Facility 4
38	Calling resolution combination. It has the following functions: receiving information from the call keys, transferring information to the central panel, resolving calls(PRK 2040 or equivalent)_Facility 4	PCS	85.55	P0	Facility 4
39	Indoor signal lamp, two-tone has the function of light presentation of the call. (SSL 2002 or equivalent)_Facility 4	PCS	26.62	P0	Facility 4
40	Press the SOS button complete with the mounting equipment next to the toilet bowl in the toilet_Facility 4	PCS	17.11	P0	Facility 4
41	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Facility 4	PCS	34.22	P0	Facility 4
42	Installation cable type: JH (St) H 3x2x0.8_Facility 4	M	0.7	P0	Facility 4
43	Installation cable type:JH (St) H 2x2x0.6_Facility 4	M	0.45	P0	Facility 4
44	Small and other unspecified materials and works_Facility 4	SET	28.52	P0	Facility 4

Security system integration

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Procurement and delivery of the license package for additional 32 ports of the security systems integration system_Regional Beograd Centar	PCS	1501.95	P0	Regional Beograd Centar
2	Procurement and delivery of the license package for additional 1000 elements of the security system integration system (compatible with the planned security system in the central station - ownership of the ISR)_Regional Beograd Centar	PCS	2138.85	P0	Regional Beograd Centar
3	Appropriate servers for software instalation. Completed with system cables and all necessary equipment. (BOSCH MHW-S380RA-SC or equivalent)_Regional Beograd Centar	PCS	7170.01	P0	Regional Beograd Centar
4	SQL data base (compatible with the planned security system in the central station - ownership of the ISR)_Regional Beograd Centar	PCS	1960	P0	Regional Beograd Centar
5	System computer (MHW-WZ2G4-NG or equvivalent)_Sub regional Indjija	PCS	3773	P0	Sub regional Indjija
6	License for interconnection of integration software with video management software, (compatible with the planned security system in the central station - ownership of the ISR) (BIS-FGEN-BVMS48 or equivalent)_Regional Novi Sad	PCS	1663.55	P0	Regional Novi Sad
7	Additional licence for highly sophisticated system for managing and safe operation of alarm systems and fire alarm systems, public announcement_Regional Novi Sad	PCS	6671.45	P0	Regional Novi Sad
8	License for Alarm Management Package. Contains message distribution, timer, operators alarms, (compatible with the planned security system at the central station - ownership of the ISR) (BIS-FGEN-AMPK48 or equivalent)_Regional Novi Sad	PCS	2152.08	P0	Regional Novi Sad
9	Procurement and delivery of the license package for additional 32 ports of the security systems integration system_Regional Novi Sad	PCS	1501.95	P0	Regional Novi Sad
10	Additional license for one operator place, (compatible with the planned security system in the central station -ownership ofthe ISR)(BOSCHBIS-XGEN-1CLI48 or p_Regional Novi Sad	PCS	769.99	P0	Regional Novi Sad
11	Procurement and delivery of the license package for additional 1000 elements of the security system integration system (compatible with the planned security system in the central station - ownership of the ISR)_Regional Novi Sad	PCS	2138.85	P0	Regional Novi Sad
12	Appropriate servers for software instalation. Completed with system cables and all necessary equipment. (BOSCH MHW-S380RA-SC or equivalent)_Regional Novi Sad	PCS	7170.01	P0	Regional Novi Sad
13	SQL data base (compatible with the planned security system in the central station - ownership of the ISR)_Regional Novi Sad	PCS	1960	P0	Regional Novi Sad

No.	Description	UOM	Unit Price	Payment Terms	Remarks
14	System configuration, issuing of attestation and Commissioning including all necessary software, works, (for the whole section)_Entire section	SET	44100	P1	Entire section
15	User training (for the entire section)_Entire section	SET	4900	P1	Entire section
16	Designing and preparation of documentation (for the entire section)_Entire section	SET	19600	P1	Entire section
17	Addressable fire control panel (FPA-5000 or equivalent) that supports the EN54 and VdS standard_Novi Sad	PCS	3792.89	P0	Novi Sad
18	Relay module with 8 low voltage relay outputs (RML 0008 A or equivalent)_Novi Sad	PCS	75.1	P0	Novi Sad
19	Rechargeable battery 12 VDC, 40Ah._Novi Sad	PCS	131.18	P0	Novi Sad
20	Parallel panel (FMR 5000 or equivalent)_Novi Sad	PCS	738.62	P0	Novi Sad
21	Alarm machine with the possibility of programming via a directly connected or remote telephone, provides voice alarm to any alarm control panel_Novi Sad	PCS	148.29	P0	Novi Sad
22	system cable for parallel board_Novi Sad	PCS	1.9	P0	Novi Sad
23	Small installation material (bag screws, arc clamps, dowels)_Novi Sad	PCS	256.66	P0	Novi Sad

PA

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	High performance DHCP (Dynamic Host Configuration Protocol) server which eliminates the need to use the IPv4LL protocol_Whole Line	PCS	6359.4	P0	Whole Line
2	Making measurements by location (for the whole section)_Whole Line	SET	9800	P1	Whole Line
3	System configuration, issuance of certificates and commissioning (for the entire section)_Whole Line	SET	24500	P1	Whole Line
4	User training (for the whole section)_Whole Line	SET	1960	P1	Whole Line
5	Design and preparation of documentation _Whole Line	SET	19600	P1	Whole Line
6	Call station with speaker and microphone on flexible neck, with one button with all call function, light indication_Novi Sad	PCS	449.63	P0	Novi Sad
7	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc_Novi Sad	PCS	230.05	P0	Novi Sad
8	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals; minimum 4 audio inputs and 4 audio outputs, PC setting, with LCD display, up to 256 priorities)_Novi Sad	PCS	3611.33	P0	Novi Sad
9	Network interface (audio module Audio/Ethernet) for real-time distribution of uncompressed digital audio signal over industry standard IP network_Novi Sad	PCS	2381.25	P0	Novi Sad
10	Graphical interface software for zone view operators. Supports overview of various sound subsystems, call control and BGM_Novi Sad	PCS	282.33	P0	Novi Sad
11	Interface device for switching from system cable to optical cable (PRS-FINS or equivalent)_Novi Sad	PCS	701.54	P0	Novi Sad
12	System cable 2m, (LBB 4416/02 or equivalent)_Novi Sad	PCS	42.78	P0	Novi Sad
13	System cable 10m, (LBB 4416/10 or equivalent)_Novi Sad	PCS	95.06	P0	Novi Sad
14	System cable 50m, (LBB 4416/50 or equivalent)_Novi Sad	PCS	274.72	P0	Novi Sad
15	Equipment required for connecting system cables (LBB 4417/00, or equivalent)_Novi Sad	PCS	143.54	P0	Novi Sad
16	Small and other unspecified materials and works_Novi Sad	PCS	397.35	P0	Novi Sad
17	Call station with speaker and microphone on flexible neck, with one button with all call function, light indication(LBB 4430/00 or equivalent)_Indjija	PCS	449.63	P0	Indjija
18	Call station keypad with a minimum of 5 programmable keys, light indication.(LBB4432 / 00 or equivalent)_Indjija	PCS	230.05	P0	Indjija
19	Ceiling speaker for indoor installation in a suspended	PCS	36.12	P0	Indjija

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	ceiling, supports EN54, IP21 (dimensions in line with the suspended ceiling)_Indjija				
20	Outdoor line speaker, supports EN54: Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)_Indjija	PCS	383.09	P0	Indjija
21	Horn, IP 65, complete with driver Complete with all protective and mounting equipment (LH1-UC30E or equivalent)_Indjija	PCS	140.69	P0	Indjija
22	Waterproof junction box equipped with a terminal block for parallel separation of the installation_Indjija	PCS	31.37	P0	Indjija
23	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Indjija	PCS	31.37	P0	Indjija
24	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm² terminals_Indjija	PCS	32.32	P0	Indjija
25	Attenuator 36W / 100V for wall mounting, with terminal box with 1.5mm² terminals_Indjija	PCS	35.17	P0	Indjija
26	Attenuator 100W / 100V for wall mounting, with terminal box with 1.5mm za terminals_Indjija	PCS	77.95	P0	Indjija
27	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals_Indjija	PCS	3611.33	P0	Indjija
28	500W power output amplifier with automatic volume control, redundant network connection (BOSCH PRS-2P250-EU, LBB4440/00, LBB4443/00, Bosch LBB4446/00)_Indjija	PCS	2441.14	P0	Indjija
29	Network interface (Audio/Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks.(PRS4OMI4 or equivalent)_Indjija	PCS	2381.25	P0	Indjija
30	Ambient microphone (LBB 9600/20 or equivalent) with bracket_Indjija	PCS	85.55	P0	Indjija
31	Interface for transition from system cable to optica cable (PRS-FINS or equivalent)_Indjija	PCS	865.14	P0	Indjija
32	System cable 2m, (LBB 4416/02 or equivalent)_Indjija	PCS	42.78	P0	Indjija
33	System cable 10m, (LBB 4416/10 or equivalent)_Indjija	PCS	95.06	P0	Indjija
34	System cable 50m, (LBB 4416/50 or equivalent)_Indjija	PCS	274.72	P0	Indjija
35	Equipment required for connecting system cables (LBB 4417/00, or equivalent)_Indjija	PCS	143.54	P0	Indjija
36	Installation cable type - LiYCY 2x2.5mm²_Indjija	M	0.93	P0	Indjija
37	Installation cable type - LiHCH 2x2,5mm²_Indjija	M	0.99	P0	Indjija
38	Installation cable type - LiYCY 3x2.5mm²_Indjija	M	1.44	P0	Indjija
39	Installation cable type - LiHCH 3x2,5mm²_Indjija	M	1.44	P0	Indjija
40	Installation cable type - halogen free microphone cable_Indjija	M	1.9	P0	Indjija
41	Installation cable type - microphone cable for outdoor installation_Indjija	M	9.51	P0	Indjija
42	Small and other unspecified materials and works_Indjija	PCS	285.18	P0	Indjija
43	Call station with speaker and microphone on flexible neck, with one button with all call function, light indication.(LBB 4430/00 or equivalent)_Beska	PCS	449.63	P0	Beska
44	Call station keypad with a minimum of 5 programmable keys, light indication.(LBB4432/00 or equivalent)_Beska	PCS	230.05	P0	Beska
45	Ceiling speaker for internal suspended ceiling mounting, supports EN54, IP21 (dimensions in line with the suspended ceiling)LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)_Beska	PCS	36.12	P0	Beska
46	Outdoor line speaker, supports EN54: Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)_Beska	PCS	383.09	P0	Beska
47	Horn, IP 65, complete with driver Complete with all protective and mounting equipment (LH1-UC30E or equivalent)_Beska	PCS	140.69	P0	Beska

No.	Description	UOM	Unit Price	Payment Terms	Remarks
48	Waterproof junction box equipped with a terminal block for parallel separation of the installation_Beska	PCS	31.37	P0	Beska
49	Junction box equipped with a terminal block for parallel separation of the installation without halogen elements_Beska	PCS	31.37	P0	Beska
50	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm za terminals_Beska	PCS	32.32	P0	Beska
51	Attenuator 100W / 100V for wall mounting, with terminal box with 1.5mm za terminals_Beska	PCS	77.95	P0	Beska
52	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals(PRS-NCO3, PRS-SWCSL-E PC or equivalent)_Beska	PCS	3611.33	P0	Beska
53	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel)_Beska	PCS	2441.14	P0	Beska
54	500W output power amplifier with automatic volume control, redundant network connection, audio processing and delay configuration for each amplifier channel (BOSCH PRS 4P125, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446/00 or equivalent)_Beska	PCS	2746.28	P0	Beska
55	Network interface (Audio/Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks_Beska	PCS	2381.25	P0	Beska
56	Ambient microphone (LBB 9600/20 or equivalent) with a carrier_Beska	PCS	85.55	P0	Beska
57	Interface for transition from system cable to optical cable (PRS-FINS or equivalent) _Beska	PCS	865.14	P0	Beska
58	System cable 2m, (LBB 4416/02 or equivalent)_Beska	PCS	42.78	P0	Beska
59	System cable 10m, (LBB 4416/10 or equivalent)_Beska	PCS	95.06	P0	Beska
60	System cable 50m, (LBB 4416/50 or equivalent)_Beska	PCS	274.72	P0	Beska
61	Equipment required for connecting system cables (LBB 4417/00, or equivalent)_Beska	PCS	143.54	P0	Beska
62	Installation cable type - LiYCY 2x2.5mm²_Beska	M	0.93	P0	Beska
63	Installation cable type - LiHCH 2x2,5mm²_Beska	M	0.99	P0	Beska
64	Installation cable type - LiYCY 3x2.5mm²_Beska	M	1.44	P0	Beska
65	Installation cable type - LiHCH 3x2,5mm²_Beska	M	1.46	P0	Beska
66	Installation cable type - halogen free microphone cable_Beska	M	1.9	P0	Beska
67	Installation cable type - microphone cable for outdoor installation_Beska	M	9.51	P0	Beska
68	Small and other unspecified materials and works_Beska	PCS	285.18	P0	Beska
69	Call station with speaker and microphone on flexible neck, with one button with all call function, light indication.(LBB 4430/00 or equivalent)_Karlovci	PCS	449.63	P0	Karlovci
70	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc(LBB4432 / 00 or equivalent)_Karlovci	PCS	230.05	P0	Karlovci
71	Ceiling speaker for internal suspended ceiling mounting, supports EN54, IP21 (dimensions in line with the suspended ceiling): Complete with protective boxes and all mounting accessories (LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)_Karlovci	PCS	36.12	P0	Karlovci
72	Outdoor line speaker, supports EN54: Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)_Karlovci	PCS	383.09	P0	Karlovci
73	Horn, IP 65, complete with driver Complete with all protective and mounting equipment (LH1-UC30E or equivalent)_Karlovci	PCS	140.69	P0	Karlovci
74	Waterproof junction box equipped with a terminal block for parallel separation of the installation_Karlovci	PCS	31.37	P0	Karlovci
75	Junction box equipped with a terminal block for parallel separation of the installation without halogen	PCS	31.37	P0	Karlovci

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	elements_Karlovci				
76	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm za terminals_Karlovci	PCS	32.32	P0	Karlovci
77	Attenuator 100W / 100V for wall mounting, with terminal box with 1.5mm za terminals_Karlovci	PCS	77.95	P0	Karlovci
78	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals (PRS-NCO3, PRS-SWCSL-E PC or equivalent)_Karlovci	PCS	3611.33	P0	Karlovci
79	500W output power amplifier with automatic volume control, redundant network connection, audio processing(BOSCH PRS 2P250, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)_Karlovci	PCS	2441.14	P0	Karlovci
80	500W output power amplifier with automatic volume control, redundant network connection, audio processing (BOSCH PRS 4P125, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)_Karlovci	PCS	2746.28	P0	Karlovci
81	Network interface (Audio/Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks.(PRS 4OMI4 or equivalent)_Karlovci	PCS	2381.25	P0	Karlovci
82	Ambient microphone (LBB 9600/20 or equivalent) with a carrier_Karlovci	PCS	85.55	P0	Karlovci
83	Interface for transition from system cable to optical cable (PRS-FINS or equivalent) _Karlovci	PCS	865.14	P0	Karlovci
84	System cable 2m, (LBB 4416/02 or equivalent)_Karlovci	PCS	42.78	P0	Karlovci
85	System cable 10m, (LBB 4416/10 or equivalent)_Karlovci	PCS	95.06	P0	Karlovci
86	System cable 50m, (LBB 4416/50 or equivalent)_Karlovci	PCS	274.72	P0	Karlovci
87	Equipment required for connecting system cables (LBB 4417/00, or equivalent)_Karlovci	PCS	143.54	P0	Karlovci
88	Installation cable type - LiYCY 2x2.5mm²_Karlovci	M	0.93	P0	Karlovci
89	Installation cable type - LiHCH 2x2,5mm²_Karlovci	M	0.99	P0	Karlovci
90	Installation cable type - LiYCY 3x2.5mm²_Karlovci	M	1.44	P0	Karlovci
91	Installation cable type - LiHCH 3x2,5mm²_Karlovci	M	1.46	P0	Karlovci
92	Installation cable type - halogen free microphone cable_Karlovci	M	1.9	P0	Karlovci
93	Installation cable type - microphone cable for outdoor installation_Karlovci	M	9.51	P0	Karlovci
94	Small and other unspecified materials and works_Karlovci	PCS	285.18	P0	Karlovci
95	Call station with speaker and microphone on flexible neck, with one button with all call function, light indication(LBB 4430/00 or equivalent)_Petrovaradin	PCS	449.63	P0	Petrovaradin
96	Call station keypad with a minimum of 5 programmable keys, light indication. The keys can be programmed to select the sound source, control call activation, volume, select zones and groups, etc. (LBB4432 / 00 or equivalent)_Petrovaradin	PCS	230.05	P0	Petrovaradin
97	Ceiling speaker for internal suspended ceiling mounting, supports EN54, IP21 (dimensions in line with the suspended ceiling)(LC1-UM06E8, LC1-CMR, LC1-CBB or equivalent)_Petrovaradin	PCS	36.12	P0	Petrovaradin
98	Outdoor line speaker, supports EN54: Complete with all protection and pole / wall mounting accessories (LBC-3210/00 or equivalent)_Petrovaradin	PCS	383.09	P0	Petrovaradin
99	Horn, IP 65, complete with driver Complete with all protective and mounting equipment (LH1-UC30E or equivalent)_Petrovaradin	PCS	140.69	P0	Petrovaradin
100	Waterproof junction box equipped with a terminal block for parallel separation of the installation_Petrovaradin	PCS	31.37	P0	Petrovaradin
101	Junction box equipped with a terminal block for parallel separation of the installation without halogen	PCS	31.37	P0	Petrovaradin

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	elements_Petrovaradin				
102	Attenuator 12W / 100V for wall mounting, with terminal box with 1.5mm za terminals_Petrovaradin	PCS	32.32	P0	Petrovaradin
103	Attenuator 36W / 100V for wall mounting, with terminal box with 1.5mm² terminals_Petrovaradin	PCS	35.17	P0	Petrovaradin
104	Network audio controller, controls and routes up to 28 audio channels, supplies system peripherals(PRS-NCO3, PRS-SWCSL-E PC or equivalent)_Petrovaradin	PCS	3611.33	P0	Petrovaradin
105	500W output power amplifier with automatic volume control, redundant network connection(LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)_Petrovaradin	PCS	2441.14	P0	Petrovaradin
106	500W output power amplifier with automatic volume control, redundant network connection(BOSCH PRS 4P125, LBB4440 / 00, LBB4443 / 00, Bosch LBB4446 / 00 or equivalent)_Petrovaradin	PCS	2746.28	P0	Petrovaradin
107	Network interface (Audio / Ethernet audio module) for real-time distribution of uncompressed digital audio signals over industry standard IP networks(PRS 4OMI4 or equivalent)_Petrovaradin	PCS	2381.25	P0	Petrovaradin
108	Ambient microphone (LBB 9600/20 or equivalent) with a carrier_Petrovaradin	PCS	85.55	P0	Petrovaradin
109	Interface for transition from system cable to optical cable (PRS-FINS or equivalent) _Petrovaradin	PCS	865.14	P0	Petrovaradin
110	System cable 2m, (LBB 4416/02 or equivalent)_Petrovaradin	PCS	42.78	P0	Petrovaradin
111	System cable 10m, (LBB 4416/10 or equivalent)_Petrovaradin	PCS	95.06	P0	Petrovaradin
112	System cable 50m, (LBB 4416/50 or equivalent)_Petrovaradin	PCS	274.72	P0	Petrovaradin
113	Equipment required for connecting system cables (LBB 4417/00, or equivalent)_Petrovaradin	PCS	143.54	P0	Petrovaradin
114	Installation cable type - LiYCY 2x2.5mm²_Petrovaradin	M	0.93	P0	Petrovaradin
115	Installation cable type - LiHCH 2x2,5mm²_Petrovaradin	M	0.99	P0	Petrovaradin
116	Installation cable type - LiYCY 3x2.5mm²_Petrovaradin	M	1.44	P0	Petrovaradin
117	Installation cable type - LiHCH 3x2,5mm²_Petrovaradin	M	1.46	P0	Petrovaradin
118	Installation cable type - halogen free microphone cable_Petrovaradin	M	1.9	P0	Petrovaradin
119	Installation cable type - microphone cable for outdoor installation_Petrovaradin	M	9.51	P0	Petrovaradin
120	Small and other unspecified materials and works_Petrovaradin	PCS	285.18	P0	Petrovaradin

Information Display System

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	System configuration, issuance of certificates and commissioning (for the entire section)_Whole Line	SET	19600	P1	Whole Line
2	User training (for the whole section)_Whole Line	SET	1960	P1	Whole Line
3	Design and preparation of documentation (for the whole section)_Whole Line	SET	3920	P1	Whole Line
4	TFT information display for indoor mounting, E-LED lighting, size 32 inch(CONRAC 6132PD or equivalent)_Indjija	PCS	3612.28	P0	Indjija
5	TFT information display for outdoor installation, E-LED lighting, size 42 inch(CONRAC 6942PD or equivalent)_Indjija	PCS	6610.47	P0	Indjija
6	TFT information display for outdoor installation, E-LED lighting, size 32 inch(CONRAC 6932PD or equivalent)_Indjija	PCS	5069.55	P0	Indjija
7	Bracket for placing a single-sided board with all the necessary material_Indjija	PCS	389.75	P0	Indjija
8	Bracket for placing a double-sided board with all the necessary material_Indjija	PCS	776.64	P0	Indjija
9	Small and other unspecified materials and works_Indjija	PCS	475.3	P0	Indjija
10	TFT information display for indoor installation, E-LED lighting, size 32 inch(CONRAC 6132PD or equivalent)_Beska	PCS	3612.28	P0	Beška
11	TFT information display for outdoor mounting, E-LED lighting, size 42 inch_Beska	PCS	6610.47	P0	Beška
12	TFT information display for outdoor installation, E-LED lighting, size 32 inch(CONRAC 6932PD or equivalent)_Beska	PCS	5069.55	P0	Beška
13	Bracket for placing a single-sided board with all the necessary material_Beška	PCS	389.75	P0	Beška
14	Bracket for placing a double-sided board with all the necessary material_Beška	PCS	776.64	P0	Beška
15	Small and other unspecified materials and works_Beška	PCS	475.3	P0	Beška
16	TFT information display for indoor installation, E-LED lighting, size 32 inch(CONRAC 6132PD or equivalent)_Karlovci	PCS	3612.28	P0	Karlovci
17	TFT information display for outdoor mounting, E-LED lighting, size 42 inch(CONRAC 6942PD or equivalent)_Karlovci	PCS	6610.47	P0	Karlovci
18	TFT information display for outdoor installation, E-LED lighting, size 32 inch (CONRAC 6932PD or equivalent)_Karlovci	PCS	5069.55	P0	Karlovci
19	Bracket for placing a single-sided board with all the necessary material_Karlovci	PCS	389.75	P0	Karlovci
20	Bracket for placing a double-sided board with all the necessary material_Karlovci	PCS	776.64	P0	Karlovci
21	Small and other unspecified materials and	PCS	475.3	P0	Karlovci

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	works_Karlovci				
22	TFT information display for indoor installation, E-LED lighting, size 32 inch(CONRAC 6132PD or equivalent)_Petrovaradin	PCS	3612.28	P0	Petrovaradin
23	TFT information display for outdoor mounting, E-LED lighting, size 42 inch(CONRAC 6942PD or equivalent)_Petrovaradin	PCS	6610.47	P0	Petrovaradin
24	TFT information display for outdoor installation, E-LED lighting, size 32 inch (CONRAC 6932PD or equivalent)_Petrovaradin	PCS	5069.55	P0	Petrovaradin
25	Bracket for placing a single-sided board with all the necessary material_Petrovaradin	PCS	389.75	P0	Petrovaradin
26	Bracket for placing a double-sided board with all the necessary material_Petrovaradin	PCS	776.64	P0	Petrovaradin
27	Small and other unspecified materials and works_Petrovaradin	PCS	475.3	P0	Petrovaradin

FIXED FIRE ALARM SYSTEM

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0, and Payment terms P0

No.	Description	UOM	Unit Price	Remarks
1	Fire control and extinguishing control substation with two extinguishing zones,_EVP Indjija	PCS	1254.79	EVP Indjija
2	Conventional optical smoke detector. Complete with mounting base, short circuit insulator and label_EVP Indjija	PCS	38.97	EVP Indjija
3	Manual shut-off lock button_EVP Indjija	PCS	32.32	EVP Indjija
4	Manual button to activate the shutdown_EVP Indjija	PCS	32.32	EVP Indjija
5	Alarm siren with orange flash_EVP Indjija	PCS	74.15	EVP Indjija
6	Illuminated billboard with the inscription "GAS - LEAVE THE ROOM!" Or equivalent_EVP Indjija	PCS	85.55	EVP Indjija
7	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For indoor installation or equivalent_EVP Indjija	PCS	85.55	EVP Indjija
8	Parallel indicator light_EVP Indjija	PCS	14.26	EVP Indjija
9	Magnetic contact to monitor the openness of the fire door complete with permanent magnet_EVP Indjija	M	22.81	EVP Indjija
10	Installation cable type:JH (St) H 2x2x0.8_EVP Indjija	M	1.08	EVP Indjija
11	Installation cable type:NHXHX 3x1.5 FE180 / E30_EVP Indjija	M	1.27	EVP Indjija
12	Installation cable type:NHXHX 3x1.5 FE180 / E90_EVP Indjija	M	1.27	EVP Indjija
13	Installation cable type:JE-H (St) H / FE180 / E90 2x2x0.8_EVP Indjija	M	1.74	EVP Indjija
14	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m) Inner diameter:Ø40_EVP Indjija	M	1.16	EVP Indjija
15	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m) Inner diameter:Ø36_EVP Indjija	M	1.16	EVP Indjija
16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m)Inner diameter:Ø16_EVP Indjija	M	0.37	EVP Indjija
17	Procurement and delivery of fire-fighting mixture. Calculated with an average penetration size of 0.3x0.3 m_EVP Indjija	M*M	277.58	EVP Indjija
18	Small installation material (bag screws, arc clamps, dowels)_EVP Indjija	SET	380.24	EVP Indjija
19	Fire control and extinguishing control substation with two extinguishing zones_OGF Indjija pustara	PCS	1254.79	OGF Indjija pustara
20	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting two automatic and two zones for manual detectors_OGF Indjija pustara	PCS	855.54	OGF Indjija pustara
21	Conventional optical smoke detector. Complete with mounting base, short circuit insulator and label_OGF Indjija pustara	PCS	38.97	OGF Indjija pustara
22	Manual shut-off lock button_OGF Indjija pustara	PCS	32.32	OGF Indjija pustara
23	Manual button to activate the shutdown_OGF Indjija pustara	PCS	32.32	OGF Indjija pustara
24	Alarm siren with orange flash _OGF Indjija pustara	PCS	74.15	OGF Indjija pustara
25	Illuminated billboard with the inscription "GAS - LEAVE THE ROOM!" Or equivalent_OGF Indjija pustara	PCS	85.55	OGF Indjija pustara

No.	Description	UOM	Unit Price	Remarks
26	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For indoor installation or equivalent_OGF Indjija pustara	PCS	85.55	OGF Indjija pustara
27	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For outdoor installation or equivalent_OGF Indjija pustara	PCS	142.59	OGF Indjija pustara
28	Parallel indicator light_OGF Indjija pustara	PCS	11.41	OGF Indjija pustara
29	Magnetic contact to monitor the openness of the fire door complete with permanent magnet_OGF Indjija pustara	PCS	19.01	OGF Indjija pustara
30	Aspiration smoke detector for computer cabinets in a room with space for 2 detector modules._OGF Indjija pustara	PCS	4562.88	OGF Indjija pustara
31	Aspiration detector power supply cabinet, meets EN54 standard. The battery charging process is temperature and time controlled. (BOSCH FPP-5000 or equivalent)_OGF Indjija pustara	PCS	1026.65	OGF Indjija pustara
32	Installation cable type:JH (St) H 2x2x0.8_OGF Indjija pustara	M	0.5	OGF Indjija pustara
33	Installation cable type:JH (St) H 5x2x0.8_OGF Indjija pustara	M	1.08	OGF Indjija pustara
34	Installation cable type:NHXHX 3x1.5 FE180 / E30_OGF Indjija pustara	M	1.27	OGF Indjija pustara
35	Installation cable type:NHXHX 3x1.5 FE180 / E90_OGF Indjija pustara	M	1.27	OGF Indjija pustara
36	Installation cable type:JE-H (St) H / FE180 / E90 2x2x0.8_OGF Indjija pustara	M	1.74	OGF Indjija pustara
37	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_OGF Indjija pustara	M	1.16	OGF Indjija pustara
38	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_OGF Indjija pustara	M	1.16	OGF Indjija pustara
39	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø16_OGF Indjija pustara	M	0.37	OGF Indjija pustara
40	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations_OGF Indjija pustara	M*M	277.58	OGF Indjija pustara
41	Small installation material (bag screws, arc clamps, dowels)_OGF Indjija pustara	SET	380.24	OGF Indjija pustara
42	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting four automatic and two zones for manual detectors_OGF BTS of Tunnel	PCS	1254.79	OGF BTS of Tunnel
43	Fire control and extinguishing control substation with two extinguishing zones, with the possibility of connecting two automatic and two zones for manual detectors_OGF BTS of Tunnel	PCS	855.54	OGF BTS of Tunnel
44	Conventional optical smoke detector. Complete with mounting base, short circuit insulator and label_OGF BTS of Tunnel	PCS	38.97	OGF BTS of Tunnel
45	Manual shut-off lock button_OGF BTS of Tunnel	PCS	32.32	OGF BTS of Tunnel
46	Manual button to activate the shutdown_OGF BTS of Tunnel	PCS	32.32	OGF BTS of Tunnel
47	Alarm siren with orange flash _OGF BTS of Tunnel	PCS	74.15	OGF BTS of Tunnel
48	Illuminated billboard with the inscription "GAS - LEAVE THE ROOM!" Or equivalent_OGF BTS of Tunnel	PCS	85.55	OGF BTS of Tunnel
49	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For indoor installation or equivalent_OGF BTS of Tunnel	PCS	85.55	OGF BTS of Tunnel
50	Illuminated panel with the inscription "GAS - DO NOT ENTER!" For outdoor installation or equivalent_OGF BTS of Tunnel	PCS	142.59	OGF BTS of Tunnel
51	Parallel indicator light_OGF BTS of Tunnel	PCS	11.41	OGF BTS of Tunnel
52	Magnetic contact to monitor the openness of the fire door complete with permanent magnet. The method of fixing must guarantee the stability of the magnetic contact in	PCS	19.01	OGF BTS of Tunnel

No.	Description	UOM	Unit Price	Remarks
	aggressive environments and large temperature changes_OGF BTS of Tunnel			
53	Aspiration smoke detector for computer cabinets in a room with space for 2 detector modules_OGF BTS of Tunnel	PCS	4562.88	OGF BTS of Tunnel
54	Aspiration detector power supply cabinet, meets EN54 standard. The battery charging process is temperature and time controlled. (BOSCH FPP-5000 or equivalent)_OGF BTS of Tunnel	PCS	1026.65	OGF BTS of Tunnel
55	Installation cable type:JH (St) H 2x2x0.8_OGF BTS of Tunnel	M	0.5	OGF BTS of Tunnel
56	Installation cable type:JH (St) H 5x2x0.8_OGF BTS of Tunnel	M	1.08	OGF BTS of Tunnel
57	Installation cable type:NHXHX 3x1.5 FE180 / E30_OGF BTS of Tunnel	M	1.27	OGF BTS of Tunnel
58	Installation cable type:NHXHX 3x1.5 FE180 / E90_OGF BTS of Tunnel	M	1.27	OGF BTS of Tunnel
59	Installation cable type:JE-H (St) H / FE180 / E90 2x2x0.8_OGF BTS of Tunnel	M	1.74	OGF BTS of Tunnel
60	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_OGF BTS of Tunnel	M	1.16	OGF BTS of Tunnel
61	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_OGF BTS of Tunnel	M	1.16	OGF BTS of Tunnel
62	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø16_OGF BTS of Tunnel	M	0.37	OGF BTS of Tunnel
63	Fire-fighting mixture which, with a fire barrier, forms a compact whole from the aspect of the required fire resistance, with the appropriate certificate, in accordance with the valid legal regulations_OGF BTS of Tunnel	M*M	277.58	OGF BTS of Tunnel
64	Small installation material (bag screws, arc clamps, dowels)_OGF BTS of Tunnel	SET	380.24	OGF BTS of Tunnel

ENVIRONMENTAL MONITORING SYSTEM

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	System configuration, issuance of certificates and commissioning (for the entire section)_Whole Line	SET	6860	P1	Whole Line
2	User training (for the whole section)_Whole Line	SET	1470	P1	Whole Line
3	Design and preparation of documentation (for the whole section)_Whole Line	SET	2940	P1	Whole Line
4	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 12 universal sensors)_Indjija	PCS	480.05	P0	Indjija
5	Door Close Sensor (NBES0302 or equivalent)_Indjija	PCS	16.16	P0	Indjija
6	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Indjija	PCS	52.28	P0	Indjija
7	Temperature sensor (AP9335T or equivalent)_Indjija	PCS	114.07	P0	Indjija
8	NO / NC input monitoring sensor for other equipment complete with cable length of approx. 4.5 m (NBES0304 or equivalent)_Indjija	PCS	7.6	P0	Indjija
9	System cables and equipment for connecting sensors to the central unit_Indjija	PCS	380.24	P0	Indjija
10	Small and other unspecified materials and works_Indjija	PCS	237.65	P0	Indjija
11	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors)_Indjija Building	PCS	480.05	P0	Indjija Building
12	Door Close Sensor (NBES0302 or equivalent)_Indjija Building	PCS	16.16	P0	Indjija Building
13	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Indjija Building	PCS	52.28	P0	Indjija Building
14	Temperature sensor (AP9335T or equivalent)_Indjija Building	PCS	114.07	P0	Indjija Building
15	Temperature and humidity sensor (AP9335TH or equivalent)_Indjija Building	PCS	114.07	P0	Indjija Building
16	NO / NC input monitoring sensor for other equipment complete with cable length of approx. 4.5 m (NBES0304 or equivalent)_Indjija Building	PCS	7.6	P0	Indjija Building
17	System cables and equipment for connecting sensors to the central unit_Indjija Building	PCS	380.24	P0	Indjija Building
18	Small and other unspecified materials and works_Indjija Building	PCS	237.65	P0	Indjija Building
19	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 12 universal sensors)_Beska	PCS	480.05	P0	Beska
20	Door Close Sensor (NBES0302 or equivalent)_Beska	PCS	16.16	P0	Beska
21	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Beska	PCS	52.28	P0	Beska
22	Temperature sensor (AP9335T or equivalent)_Beska	PCS	114.07	P0	Beska
23	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_Beska	PCS	7.6	P0	Beska

No.	Description	UOM	Unit Price	Payment Terms	Remarks
24	System cables and equipment for connecting sensors to the central unit _Beska	PCS	380.24	P0	Beska
25	Small and other unspecified materials and works_Beska	PCS	237.65	P0	Beska
26	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors)_Beska Building	PCS	480.05	P0	Beska Building
27	Door Close Sensor (NBES0302 or equivalent)_Beska Building	PCS	16.16	P0	Beska Building
28	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Beska Building	PCS	52.28	P0	Beska Building
29	Temperature sensor (AP9335T or equivalent)_Beska Building	PCS	114.07	P0	Beska Building
30	Temperature and humidity sensor (AP9335TH or equivalent)_Beska Building	PCS	114.07	P0	Beska Building
31	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_Beska Building	PCS	7.6	P0	Beska Building
32	System cables and equipment for connecting sensors to the central unit _Beska Building	PCS	380.24	P0	Beska Building
33	Small and other unspecified materials and works_Beska Building	PCS	237.65	P0	Beska Building
34	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 12 universal sensors)_Karlovci	PCS	480.05	P0	Karlovci
35	Door Close Sensor (NBES0302 or equivalent)_Karlovci	PCS	16.16	P0	Karlovci
36	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Karlovci	PCS	52.28	P0	Karlovci
37	Temperature sensor (AP9335T or equivalent)_Karlovci	PCS	114.07	P0	Karlovci
38	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_Karlovci	PCS	7.6	P0	Karlovci
39	System cables and equipment for connecting sensors to the central unit _Karlovci	PCS	380.24	P0	Karlovci
40	Small and other unspecified materials and works_Karlovci	PCS	237.65	P0	Karlovci
41	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors))_Karlovci Building	PCS	480.05	P0	Karlovci Building
42	Door Close Sensor (NBES0302 or equivalent)_Karlovci Building	PCS	16.16	P0	Karlovci Building
43	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Karlovci Building	PCS	52.28	P0	Karlovci Building
44	Temperature sensor (AP9335T or equivalent)_Karlovci Building	PCS	114.07	P0	Karlovci Building
45	Temperature and humidity sensor (AP9335TH or equivalent)_Karlovci Building	PCS	114.07	P0	Karlovci Building
46	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_Karlovci Building	PCS	7.6	P0	Karlovci Building
47	System cables and equipment for connecting sensors to the central unit _Karlovci Building	PCS	380.24	P0	Karlovci Building
48	Small and other unspecified materials and works_Karlovci Building	PCS	237.65	P0	Karlovci Building
49	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 18 universal sensors)_ Karlovac vineyards	PCS	480.05	P0	Karlovac vineyards
50	Door Close Sensor (NBES0302 or equivalent)_ Karlovac vineyards	PCS	16.16	P0	Karlovac vineyards
51	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_ Karlovac vineyards	PCS	52.28	P0	Karlovac vineyards
52	Temperature sensor (AP9335T or equivalent)_ Karlovac vineyards	PCS	114.07	P0	Karlovac vineyards
53	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_ Karlovac vineyards	PCS	7.6	P0	Karlovac vineyards

No.	Description	UOM	Unit Price	Payment Terms	Remarks
54	System cables and equipment for connecting sensors to the central unit _ Karlovac vineyards	PCS	380.24	P0	Karlovac vineyards
55	Small and other unspecified materials and works_ Karlovac vineyards	PCS	237.65	P0	Karlovac vineyards
56	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors)_Petrovaradin station	PCS	480.05	P0	Petrovaradin station
57	Door Close Sensor (NBES0302 or equivalent)_Petrovaradin station	PCS	16.16	P0	Petrovaradin station
58	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_Petrovaradin station	PCS	52.28	P0	Petrovaradin station
59	Temperature sensor (AP9335T or equivalent)_Petrovaradin station	PCS	114.07	P0	Petrovaradin station
60	Temperature and humidity sensor (AP9335TH or equivalent)_Petrovaradin station	PCS	114.07	P0	Petrovaradin station
61	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_Petrovaradin station	PCS	7.6	P0	Petrovaradin station
62	System cables and equipment for connecting sensors to the central unit _Petrovaradin station	PCS	380.24	P0	Petrovaradin station
63	Small and other unspecified materials and works_Petrovaradin station	PCS	237.65	P0	Petrovaradin station
64	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 36 universal sensors))_EVP Indjija	PCS	480.05	P0	EVP Indjija
65	Door Close Sensor (NBES0302 or equivalent)_EVP Indjija	PCS	16.16	P0	EVP Indjija
66	Liquid leak sensor approx. 6m long (NBES0308 or equivalent)_EVP Indjija	PCS	211.03	P0	EVP Indjija
67	Fluid leak sensor extension about 6m long (NBES0309 or equivalent)_EVP Indjija	PCS	21.86	P0	EVP Indjija
68	Temperature sensor (AP9335T or equivalent)_EVP Indjija	PCS	114.07	P0	EVP Indjija
69	Temperature and humidity sensor (AP9335TH or equivalent)_EVP Indjija	PCS	114.07	P0	EVP Indjija
70	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_EVP Indjija	PCS	7.6	P0	EVP Indjija
71	System cables and equipment for connecting sensors to the central unit _EVP Indjija	PCS	380.24	P0	EVP Indjija
72	Small and other unspecified materials and works_EVP Indjija	PCS	237.65	P0	EVP Indjija
73	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors)_OGF Indjija pustara	PCS	480.05	P0	OGF Indjija pustara
74	Door Close Sensor (NBES0302 or equivalent)_OGF Indjija pustara	PCS	16.16	P0	OGF Indjija pustara
75	Liquid leak sensor approx. 4.5 m long (NBES0301 or equivalent)_OGF Indjija pustara	PCS	52.28	P0	OGF Indjija pustara
76	Temperature sensor (AP9335T or equivalent)_OGF Indjija pustara	PCS	114.07	P0	OGF Indjija pustara
77	Temperature and humidity sensor (AP9335TH or equivalent)_OGF Indjija pustara	PCS	114.07	P0	OGF Indjija pustara
78	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_OGF Indjija pustara	PCS	7.6	P0	OGF Indjija pustara
79	System cables and equipment for connecting sensors to the central unit _OGF Indjija pustara	PCS	380.24	P0	OGF Indjija pustara
80	Small and other unspecified materials and works_OGF Indjija pustara	PCS	237.65	P0	OGF Indjija pustara
81	Central unit of the system with the necessary extensions to accommodate all sensors (minimum 24 universal sensors)_OGF BTS (Tunnel)	PCS	480.05	P0	OGF BTS (Tunnel)
82	Door Close Sensor (NBES0302 or equivalent)_OGF BTS (Tunnel)	PCS	16.16	P0	OGF BTS (Tunnel)
83	Liquid leak sensor approx. 4.5 m long (NBES0301 or	PCS	52.28	P0	OGF BTS (Tunnel)

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	equivalent)_OGF BTS (Tunnel)				
84	Temperature sensor (AP9335T or equivalent)_OGF BTS (Tunnel)	PCS	114.07	P0	OGF BTS (Tunnel)
85	Temperature and humidity sensor (AP9335TH or equivalent)_OGF BTS (Tunnel)	PCS	114.07	P0	OGF BTS (Tunnel)
86	NO / NC input sensor for other equipment complete with cable about 4.5m long (NBES0304 or equivalent)_OGF BTS (Tunnel)	PCS	7.6	P0	OGF BTS (Tunnel)
87	System cables and equipment for connecting sensors to the central unit _OGF BTS (Tunnel)	PCS	380.24	P0	OGF BTS (Tunnel)
88	Small and other unspecified materials and works_OGF BTS (Tunnel)	PCS	237.65	P0	OGF BTS (Tunnel)

Common communication BOQ

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0, and Payment terms P0

No.	Description	UOM	Unit Price	Remarks
1	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm_Indjia	PCS	95.03	Indjia
2	PE pipe Ø 40mm for installation of optical cable_Indija	M	0.65	Indjia
3	Coupling for plastic pipes PE Ø 40mm_Indija	PCS	1.81	Indjia
4	Pipe plug PE Ø 40mm_Indija	PCS	0.23	Indjia
5	TC 59 M 15 × 4 × 0.8_Indija	M	2.8	Indjia
6	Category 6A S / FTP cables, external_Indija	M	0.97	Indjia
7	Category 6A halogen free S / FTP cables_Indija	M	0.63	Indjia
8	Installation cables J-H (St) H 10x2x0.8_Indija	M	1.98	Indjia
9	Installation cables J-H (St) H 2x2x0.8_Indija	M	0.51	Indjia
10	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm_Beska	PCS	95.03	Beska
11	Cables for common communication network: PE pipe Ø 40mm for installation of optical cable_Beska	M	0.65	Beska
12	Cables for common communication network: Coupling for plastic pipes PE Ø 40mm._Beska	PCS	1.81	Beska
13	Cables for common communication network: Pipe plug PE Ø 40mm_Beska	PCS	0.23	Beska
14	Cables for common communication network: TC 59 M 15 ×4 ×0.8_Beska	M	2.8	Beska
15	Cables for common communication network: Category 6A S/FTP cables, external_Beska	M	0.97	Beska
16	Cables for common communication network: Category 6A halogen free S / FTP cables_Beska	M	0.63	Beska
17	Installation cables JH (St) H 10x2x0.8_Beska	M	1.98	Beska
18	Installation cables JH (St) H 2x2x0.8_Beska	M	0.51	Beska
19	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm_SREMSKI KARLOVIC	PCS	95.03	SREMSKI KARLOVIC
20	Cables for common communication network: PE pipe Ø 40mm for installation of optical cable_SREMSKI KARLOVIC	M	0.65	SREMSKI KARLOVIC
21	Cables for common communication network: Coupling for plastic pipes PE Ø 40mm._SREMSKI KARLOVIC	PCS	1.81	SREMSKI KARLOVIC
22	Cables for common communication network: Pipe plug PE Ø 40mm_SREMSKI KARLOVIC	PCS	0.23	SREMSKI KARLOVIC
23	Cables for common communication network: TC 59 M 15 × 4 × 0.8_SREMSKI KARLOVIC	M	2.8	SREMSKI KARLOVIC
24	Cables for common communication network: Category 6A S / FTP cables, external_SREMSKI KARLOVIC	M	0.97	SREMSKI KARLOVIC
25	Cables for common communication network: Category 6A halogen free S / FTP cables_SREMSKI KARLOVIC	M	0.63	SREMSKI KARLOVIC
26	Installation cables JH (St) H 10x2x0.8_SREMSKI KARLOVIC	M	1.98	SREMSKI KARLOVIC
27	Installation cables JH (St) H 2x2x0.8_SREMSKI KARLOVIC	M	0.51	SREMSKI KARLOVIC
28	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm_PETROVARADIN	PCS	95.03	PETROVARADIN
29	Cables for common communication network: PE pipe Ø	M	0.65	PETROVARADIN

No.	Description	UOM	Unit Price	Remarks
	40mm for installation of optical cable_PETROVARADIN			
30	Cables for common communication network: Coupling for plastic pipes PE Ø 40mm._PETROVARADIN	PCS	1.81	PETROVARADIN
31	Cables for common communication network: Pipe plug PE Ø 40mm_PETROVARADIN	PCS	0.23	PETROVARADIN
32	Cables for common communication network: TC 59 M 15 × 4 × 0.8_PETROVARADIN	M	2.8	PETROVARADIN
33	Cables for common communication network: Category 6A S / FTP cables, external_PETROVARADIN	M	0.97	PETROVARADIN
34	Cables for common communication network: Category 6A halogen free S / FTP cables_PETROVARADIN	M	0.63	PETROVARADIN
35	Installation cables JH (St) H 10x2x0.8_PETROVARADIN	M	1.98	PETROVARADIN
36	Installation cables JH (St) H 2x2x0.8_PETROVARADIN	M	0.51	PETROVARADIN
37	Distribution cabinet (RO-TK 1,2) for wall mounting made of sheet steel, dimensions 260x260x145mm_HUNDRED KARLOVAC VINEYARDS	PCS	95.03	HUNDRED KARLOVAC VINEYARDS
38	Cables for common communication network: Category 6A S / FTP cables, external_HUNDRED KARLOVAC VINEYARDS	M	0.97	HUNDRED KARLOVAC VINEYARDS
39	Cables for common communication network: Category 6A halogen free S / FTP cables_HUNDRED KARLOVAC VINEYARDS	M	0.63	HUNDRED KARLOVAC VINEYARDS
40	Installation cables JH (St) H 10x2x0.8_HUNDRED KARLOVAC VINEYARDS	M	1.98	HUNDRED KARLOVAC VINEYARDS
41	Installation cables JH (St) H 2x2x0.8_HUNDRED KARLOVAC VINEYARDS	M	0.51	HUNDRED KARLOVAC VINEYARDS
42	Cables for common communication network: Category 6A S / FTP cables, external_Bridge	M	0.97	Bridge
43	Cables for common communication network: Category 6A S / FTP cables, external2_Bridge	M	0.97	Bridge
44	Cables for common communication network: Category 6A S / FTP cables, external_CRITICAL LOCATIONS	M	0.97	CRITICAL LOCATIONS
45	Cables for common communication network: Category 6A S / FTP cables, external_EVP Indjija	M	0.63	EVP Indjija
46	JOINT COMMUNICATION NETWORK: Category 6A S / FTP cables, external_EVP Indjija	M	0.63	EVP Indjija
47	Cables for common communication network: Category 6A S / FTP cables, external_PSN Beska	M	0.63	PSN Beska
48	JOINT COMMUNICATION NETWORK: Category 6A S / FTP cables, external_PSN Beska	M	0.63	PSN Beska
49	Cables for common communication network: Category 6A S / FTP cables, external_PS Sremski Karlovci	M	0.63	PS Sremski Karlovci
50	JOINT COMMUNICATION NETWORK: Category 6A S / FTP cables, external_PS Sremski Karlovci	M	0.63	PS Sremski Karlovci
51	Cables for common communication network: Category 6A S / FTP cables, external_Indjija pustara	M	0.97	Indjija pustara
52	Cables for common communication network: Category 6A halogen free S / FTP cables_Indjija pustara	M	0.63	Indjija pustara
53	Cables for common communication network: PE pipe Ø 40mm for installation of optical cable_OGF OF Tunnel	M	0.65	OGF OF Tunnel
54	Cables for common communication network: Coupling for plastic pipes PE Ø 40mm._OGF OF Tunnel	PCS	1.81	OGF OF Tunnel
55	Cables for common communication network: Pipe plug PE Ø 40mm_OGF OF Tunnel	PCS	0.23	OGF OF Tunnel
56	Cables for common communication network: Category 6A S / FTP cables, external_OGF OF Tunnel	M	0.97	OGF OF Tunnel
57	Cables for common communication network: Category 6A halogen free S / FTP cables_OGF OF Tunnel	M	0.63	OGF OF Tunnel
58	Category 6A halogen free S / FTP cables_Power plant	M	0.63	Power plant
59	Cables for common communication network: Category 6A S / FTP cables, external_BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI	M	0.97	BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI
60	Cables for common communication network: Category 6A halogen free S / FTP cables_BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI	M	0.63	BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI
61	Installation cables JH (St) H 10x2x0.8_BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI	M	1.98	BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI

No.	Description	UOM	Unit Price	Remarks
				KARLOVCI
62	Installation cables JH (St) H 2x2x0.8_BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI	M	0.51	BUILDING NO.4 OVER THE UNDERWATER IN SREMSKI KARLOVCI

Clock System

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Master clock for synchronization of side wristwatches with NTP signal for mounting in the river. NTP client and server for synchronization via Ethternet network_Whole line	SET	3802.4	P0	Whole line
2	System configuration, issuance of certificates and commissioning_Whole line	SET	19600	P1	Whole line
3	User training_Whole line	SET	1960	P1	Whole line
4	Design and preparation of documentation_Whole line	SET	3920	P1	Whole line
5	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_Indjija	PCS	192.97	P0	Indjija
6	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)_Indjija	PCS	1738.65	P0	Indjija
7	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent)_Indjija	PCS	2597.99	P0	Indjija
8	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_Indjija	PCS	59.89	P0	Indjija
9	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works_Indjija	PCS	195.82	P0	Indjija
10	Small and other unspecified materials and works_Indjija	SET	285.18	P0	Indjija
11	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_Beska station	PCS	192.97	P0	Beska station
12	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)_Beska station	PCS	1738.65	P0	Beska station
13	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent)_Beska station	PCS	2597.99	P0	Beska station
14	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_Beska station	PCS	59.89	P0	Beska station
15	Holder for fixing a single-sided or double-sided	PCS	195.82	P0	Beska station

No.	Description	UOM	Unit Price	Payment Terms	Remarks
	analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works_Beska station				
16	Small and other unspecified materials and works_Beska station	SET	285.18	P0	Beska station
17	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_Karlovci	PCS	192.97	P0	Karlovci
18	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)_Karlovci	PCS	1738.65	P0	Karlovci
19	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent)_Karlovci	PCS	2597.99	P0	Karlovci
20	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_Karlovci	PCS	59.89	P0	Karlovci
21	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works_Karlovci	PCS	195.82	P0	Karlovci
22	Small and other unspecified materials and works_Karlovci	SET	285.18	P0	Karlovci
23	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_Petrovaradin station	PCS	192.97	P0	Petrovaradin station
24	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)_Petrovaradin station	PCS	1738.65	P0	Petrovaradin station
25	Double-sided analog secondary IP clock, synchronized with NTP signal, for outdoor installation. Dial diameter 60cm. With internal LED lighting. (2xBodet PROFILE 960E SF NTP or equivalent)_Petrovaradin station	PCS	2597.99	P0	Petrovaradin station
26	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_Petrovaradin station	PCS	59.89	P0	Petrovaradin station
27	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works_Petrovaradin station	PCS	195.82	P0	Petrovaradin station
28	Small and other unspecified materials and works_Petrovaradin station	SET	285.18	P0	Petrovaradin station
29	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_HUNDRED KARLOVAC VINEYARDS	PCS	192.97	P0	HUNDRED KARLOVAC VINEYARDS
30	One-sided analog secondary IP clock, synchronized with NTP signal for outdoor installation. Dial diameter 60cm. With internal LED lighting. (Bodet PROFILE 960E SF NTP or equivalent)_HUNDRED KARLOVAC VINEYARDS	PCS	1738.65	P0	HUNDRED KARLOVAC VINEYARDS
31	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_HUNDRED KARLOVAC VINEYARDS	PCS	59.89	P0	HUNDRED KARLOVAC VINEYARDS
32	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 60 cm, external mounting. With all the necessary materials and works_HUNDRED KARLOVAC VINEYARDS	PCS	195.82	P0	HUNDRED KARLOVAC VINEYARDS

No.	Description	UOM	Unit Price	Payment Terms	Remarks
33	Small and other unspecified materials and works_HUNDRED KARLOVAC VINEYARDS	SET	285.18	P0	HUNDRED KARLOVAC VINEYARDS
34	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_EVP Indjija	PCS	192.97	P0	EVP Indjija
35	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_EVP Indjija	PCS	59.89	P0	EVP Indjija
36	Small and other unspecified materials and works_EVP Indjija	SET	47.53	P0	EVP Indjija
37	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_PSN Beska	PCS	192.97	P0	PSN Beska
38	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_PSN Beska	PCS	59.89	P0	PSN Beska
39	Small and other unspecified materials and works_PSN Beska	SET	47.53	P0	PSN Beska
40	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_PS Sremski Karlovci	PCS	192.97	P0	PS Sremski Karlovci
41	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works_PS Sremski Karlovci	PCS	59.89	P0	PS Sremski Karlovci
42	Small and other unspecified materials and works_PS Sremski Karlovci	SET	47.53	P0	PS Sremski Karlovci
43	Single-sided IP analog slave clock, synchronized by NTP signal, indoor mounted. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_OGF Indjija pustara	PCS	192.97	P0	OGF Indjija pustara
44	Fixing bracket for single- or double-sided analog slave clock, diameter 30cm, indoor mounting. With all the necessary material and works_OGF Indjija pustara	PCS	59.89	P0	OGF Indjija pustara
45	Small sundry items and other unspecified material and works_OGF Indjija pustara	SET	47.53	P0	OGF Indjija pustara
46	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_Power Plants	PCS	192.97	P0	Power Plants
47	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works__Power Plants	PCS	59.89	P0	Power Plants
48	Small and other unspecified materials and works__Power Plants	SET	47.53	P0	Power Plants
49	One-sided analog IP secondary clock, synchronized with NTP signal, for indoor installation. Dial diameter 30cm. (Bodet PROFILE 930 NTP or equivalent)_OGF BTS	PCS	192.97	P0	OGF BTS
50	Holder for fixing a single-sided or double-sided analog secondary clock with a diameter of 30 cm, internal mounting. With all the necessary materials and works__OGF BTS	PCS	59.89	P0	OGF BTS
51	Small and other unspecified materials and works__OGF BTS	SET	47.53	P0	OGF BTS

cabinet for tk

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0, and Payment terms P0

No.	Description	UOM	Unit Price	Remarks
1	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays_Indjija	PCS	84.85	Indjija
2	10x2 isolating strip with IDC connectors, with double contacts on the shunting side_Indjija	PCS	4.5	Indjija
3	connection strip 10x2 with IDC connectors, with double contacts on the shunting side_Indjija	PCS	4.5	Indjija
4	marking block_Indjija	PCS	3	Indjija
5	fuse module 10x2 10KA / 10A_Indjija	PCS	8.9	Indjija
6	mechanical mass drain_Indjija	PCS	4	Indjija
7	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_Indjija	M	1.18	Indjija
8	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_Indjija	M	1.18	Indjija
9	Installation cable type:JH (St) H 10x2x0.8_Indjija	M	1.98	Indjija
10	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays_Beska	PCS	84.85	Beska
11	10x2 isolating strip with IDC connectors, with double contacts on the shunting side_Beska	PCS	4.5	Beska
12	connection strip 10x2 with IDC connectors, with double contacts on the shunting side_Beska	PCS	4.5	Beska
13	marking block_Beska	PCS	3	Beska
14	fuse module 10x2 10KA / 10A_Beska	PCS	8.9	Beska
15	mechanical mass drain_Beska	PCS	4	Beska
16	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_Beska	M	1.18	Beska
17	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_Beska	M	1.18	Beska
18	Installation cable type:JH (St) H 10x2x0.8_Beska	M	1.98	Beska
19	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays_Karlovci	PCS	84.85	Karlovci
20	10x2 isolating strip with IDC connectors, with double contacts on the shunting side_Karlovci	PCS	4.5	Karlovci
21	connection strip 10x2 with IDC connectors, with double contacts on the shunting side_Karlovci	PCS	4.5	Karlovci
22	marking block_Karlovci	PCS	3	Karlovci
23	fuse module 10x2 10KA / 10A_Karlovci	PCS	8.9	Karlovci
24	mechanical mass drain_Karlovci	PCS	4	Karlovci
25	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_Karlovci	M	1.18	Karlovci
26	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building),	M	1.18	Karlovci

No.	Description	UOM	Unit Price	Remarks
	(Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_Karlovci			
27	Installation cable type:JH (St) H 10x2x0.8_Karlovci	M	1.98	Karlovci
28	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays_Petrovaradin	PCS	84.85	Petrovaradin
29	10x2 isolating strip with IDC connectors, with double contacts on the shunting side_Petrovaradin	PCS	4.5	Petrovaradin
30	connection strip 10x2 with IDC connectors, with double contacts on the shunting side_Petrovaradin	PCS	4.5	Petrovaradin
31	marking block_Petrovaradin	PCS	3	Petrovaradin
32	fuse module 10x2 10KA / 10A_Petrovaradin	PCS	8.9	Petrovaradin
33	mechanical mass drain_Petrovaradin	PCS	4	Petrovaradin
34	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_Petrovaradin	M	1.18	Petrovaradin
35	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_Petrovaradin	M	1.18	Petrovaradin
36	Installation cable type:JH (St) H 10x2x0.8_Petrovaradin	M	1.98	Petrovaradin
37	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays_Karlovac	PCS	84.85	Karlovac
38	10x2 isolating strip with IDC connectors, with double contacts on the shunting side_Karlovac	PCS	4.5	Karlovac
39	connection strip 10x2 with IDC connectors, with double contacts on the shunting side_Karlovac	PCS	4.5	Karlovac
40	marking block_Karlovac	PCS	3	Karlovac
41	fuse module 10x2 10KA / 10A_Karlovac	PCS	8.9	Karlovac
42	mechanical mass drain_Karlovac	PCS	4	Karlovac
43	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_Karlovac	M	1.18	Karlovac
44	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_Karlovac	M	1.18	Karlovac
45	Installation cable type:JH (St) H 10x2x0.8_Karlovac	M	1.98	Karlovac
46	Distribution cabinet for wall mounting made of sheet steel, dimensions 260x260x145mm, with brackets for relays_Facility 4	PCS	84.85	Facility 4
47	10x2 isolating strip with IDC connectors, with double contacts on the shunting side_Facility 4	PCS	4.5	Facility 4
48	connection strip 10x2 with IDC connectors, with double contacts on the shunting side_Facility 4	PCS	4.5	Facility 4
49	marking block_Facility 4	PCS	3	Facility 4
50	fuse module 10x2 10KA / 10A_Facility 4	PCS	8.9	Facility 4
51	mechanical mass drain_Facility 4	PCS	4	Facility 4
52	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø40_Facility 4	M	1.18	Facility 4
53	Halogen free installation corrugated hose with all fittings and clamps and clamps (3pcs / 1m), (installation in the building), (Dietzel Univolt FX) or equivalent. Inner diameter:Ø36_Facility 4	M	1.18	Facility 4
54	Installation cable type:JH (St) H 10x2x0.8_Facility 4	M	1.98	Facility 4
55	Installation cable type:JH (St) H 2x2x0.8_Facility 4	M	0.51	Facility 4

BURGLAR SIGNALING SYSTEM

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0, and Payment terms P0

No.	Description	UOM	Unit Price	Remarks
1	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_Indjija	PCS	270.92	Indjija
2	The main panel supports up to 1500 addresses, 500 areas and 1000 users. BOSCH ICP-MAP5000-2 or equivalent_Indjija	PCS	475.3	Indjija
3	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent._Indjija	PCS	174.91	Indjija
4	Communicator connection module. Supports printer connection.BOSCH ICP-MAP0007-2 or equivalent_Indjija	PCS	152.1	Indjija
5	Power supply 150W. Provides two independent power outputs with fixed 28 VDC.BOSCH IPP-MAP0005-2 or equivalent_Indjija	PCS	286.13	Indjija
6	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_Indjija	PCS	127.38	Indjija
7	Sensor with PIR and microwave detection. Alarm is detected by processing both signals, masking protection function.BOSCH ISP-PDL1-WA18G or equivalent_Indjija	PCS	34.22	Indjija
8	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_Indjija	PCS	46.58	Indjija
9	Indoor siren. Nominal power of 117 dBA. This siren is protected from unauthorized opening of the cover. BOSCH IUI-SIR-ID or equivalent_Indjija	PCS	74.15	Indjija
10	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening.BOSCH IUI-SIR-OD or equivalent_Indjija	PCS	133.08	Indjija
11	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_Indjija	PCS	24.72	Indjija
12	Keyboard, 14cm touchscreen LCD. The touchscreen provides a permanent graphical interface (16B vivid color with 320 x 240 pixels)BOSCH IUI-MAP0001-2 or equivalent_Indjija	PCS	326.06	Indjija
13	Installation cable type: JH (St) H 3x2x0.8_Indjija	M	0.7	Indjija
14	Small and other unspecified materials and works_Indjija	PCS	190.12	Indjija
15	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_Beska	PCS	270.92	Beska
16	The main panel supports up to 1500 addresses, 500 areas and 1000 users. BOSCH ICP-MAP5000-2 or equivalent_Beska	PCS	475.3	Beska
17	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent._Beska	PCS	174.91	Beska
18	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. BOSCH ICP-MAP0007-2 or equivalent_Beska	PCS	152.1	Beska
19	Power supply 150W. It provides two independent power	PCS	286.13	Beska

3

No.	Description	UOM	Unit Price	Remarks
	outputs with a fixed 28 VDC.BOSCH IPP-MAP0005-2 or equivalent_Beska			
20	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_Beska	PCS	127.38	Beska
21	Sensor with PIR and microwave detection. The alarm is detected by processing both signals.BOSCH ISP-PDL1-WA18G or equivalent_Beska	PCS	34.22	Beska
22	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_Beska	PCS	46.58	Beska
23	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall.BOSCH IUI-SIR-ID or equivalent_Beska	PCS	74.15	Beska
24	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening. Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_Beska	PCS	133.08	Beska
25	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_Beska	PCS	24.72	Beska
26	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface. BOSCH IUI-MAP0001-2 or equivalent_Beska	PCS	326.06	Beska
27	Installation cable type: JH (St) H 3x2x0.8_Beska	M	0.7	Beska
28	Small and other unspecified materials and works_Beska	PCS	190.12	Beska
29	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_Karlovci	PCS	270.92	Karlovci
30	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_Karlovci	PCS	475.3	Karlovci
31	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent_Karlovci	PCS	174.91	Karlovci
32	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_Karlovci	PCS	152.1	Karlovci
33	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC.BOSCH IPP-MAP0005-2 or equivalent_Karlovci	PCS	286.13	Karlovci
34	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_Karlovci	PCS	127.38	Karlovci
35	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_Karlovci	PCS	34.22	Karlovci
36	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_Karlovci	PCS	46.58	Karlovci
37	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall. The siren has the option of a built-in backup power supply. BOSCH IUI-SIR-ID or equivalent_Karlovci	PCS	74.15	Karlovci
38	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_Karlovci	PCS	133.08	Karlovci
39	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_Karlovci	PCS	24.72	Karlovci
40	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels)BOSCH IUI-MAP0001-2 or equivalent_Karlovci	PCS	326.06	Karlovci
41	Installation cable type: JH (St) H 3x2x0.8_Karlovci	M	0.7	Karlovci
42	Small and other unspecified materials and works_Karlovci	PCS	190.12	Karlovci
43	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_Petrovaradin	PCS	270.92	Petrovaradin

No.	Description	UOM	Unit Price	Remarks
44	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_Petrovaradin	PCS	475.3	Petrovaradin
45	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. BOSCH ICP-MAP0010 or equivalent_Petrovaradin	PCS	174.91	Petrovaradin
46	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_Petrovaradin	PCS	152.1	Petrovaradin
47	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC.BOSCH IPP-MAP0005-2 or equivalent_Petrovaradin	PCS	286.13	Petrovaradin
48	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_Petrovaradin	PCS	127.38	Petrovaradin
49	Sensor with PIR and microwave detection. The alarm is detected by processing both signals.BOSCH ISP-PDL1-WA18G or equivalent_Petrovaradin	PCS	34.22	Petrovaradin
50	Conventional glass breakage detector complete with addressable loop connection element. BOSCH DS1108I and ISP-EM55SM-120 or equivalent_Petrovaradin	PCS	46.58	Petrovaradin
51	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall.BOSCH IUI-SIR-ID or equivalent_Petrovaradin	PCS	74.15	Petrovaradin
52	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_Petrovaradin	PCS	133.08	Petrovaradin
53	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_Petrovaradin	PCS	24.72	Petrovaradin
54	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels)BOSCH IUI-MAP0001-2 or equivalent_Petrovaradin	PCS	326.06	Petrovaradin
55	Installation cable type: JH (St) H 3x2x0.8_Petrovaradin	M	0.7	Petrovaradin
56	Small and other unspecified materials and works_Petrovaradin	PCS	190.12	Petrovaradin
57	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway.BOSCH ICP-MAP0111 or equivalent_Karlovac vineyards	PCS	270.92	Karlovac vineyards
58	The main panel supports up to 1500 addresses, 500 areas and 1000 users. BOSCH ICP-MAP5000-2 or equivalent_Karlovac vineyards	PCS	475.3	Karlovac vineyards
59	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent_Karlovac vineyards	PCS	174.91	Karlovac vineyards
60	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_Karlovac vineyards	PCS	152.1	Karlovac vineyards
61	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC_Karlovac vineyards	PCS	286.13	Karlovac vineyards
62	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_Karlovac vineyards	PCS	127.38	Karlovac vineyards
63	Sensor with PIR and microwave detection.BOSCH ISP-PDL1-WA18G or equivalent_Karlovac vineyards	PCS	34.22	Karlovac vineyards
64	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_Karlovac vineyards	PCS	46.58	Karlovac vineyards
65	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall.BOSCH IUI-SIR-ID or equivalent_Karlovac vineyards	PCS	74.15	Karlovac vineyards
66	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_Karlovac vineyards	PCS	133.08	Karlovac vineyards
67	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_Karlovac vineyards	PCS	24.72	Karlovac vineyards

No.	Description	UOM	Unit Price	Remarks
68	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface.BOSCH IUI-MAP0001-2 or equivalent_Karlovac vineyards	PCS	326.06	Karlovac vineyards
69	Installation cable type: JH (St) H 3x2x0.8_Karlovac vineyards	M	0.7	Karlovac vineyards
70	Small and other unspecified materials and works_Karlovac vineyards	PCS	190.12	Karlovac vineyards
71	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_EVP Indjija	PCS	270.92	EVP Indjija
72	The main panel supports up to 1500 addresses, 500 areas and 1000 users. BOSCH ICP-MAP5000-2 or equivalent_EVP Indjija	PCS	475.3	EVP Indjija
73	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent._EVP Indjija	PCS	174.91	EVP Indjija
74	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_EVP Indjija	PCS	152.1	EVP Indjija
75	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power.BOSCH IPP-MAP0005-2 or equivalent._EVP Indjija	PCS	286.13	EVP Indjija
76	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_EVP Indjija	PCS	127.38	EVP Indjija
77	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_EVP Indjija	PCS	34.22	EVP Indjija
78	Conventional glass breakage detector complete with addressable loop connection element. BOSCH DS1108I and ISP-EM55SM-120 or equivalent_EVP Indjija	PCS	46.58	EVP Indjija
79	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall.BOSCH IUI-SIR-ID or equivalent_EVP Indjija	PCS	74.15	EVP Indjija
80	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_EVP Indjija	PCS	133.08	EVP Indjija
81	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_EVP Indjija	PCS	24.72	EVP Indjija
82	Keyboard, 14cm touchscreen LCD.BOSCH IUI-MAP0001-2 or equivalent_EVP Indjija	PCS	326.06	EVP Indjija
83	Installation cable type: JH (St) H 3x2x0.8_EVP Indjija	M	0.7	EVP Indjija
84	Small and other unspecified materials and works_EVP Indjija	PCS	190.12	EVP Indjija
85	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_PSN Beska	PCS	270.92	PSN Beska
86	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_PSN Beska	PCS	475.3	PSN Beska
87	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. BOSCH ICP-MAP0010 or equivalent._PSN Beska	PCS	174.91	PSN Beska
88	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. BOSCH ICP-MAP0007-2 or equivalent_PSN Beska	PCS	152.1	PSN Beska
89	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC.BOSCH IPP-MAP0005-2 or equivalent._PSN Beska	PCS	286.13	PSN Beska
90	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_PSN Beska	PCS	127.38	PSN Beska
91	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_PSN Beska	PCS	34.22	PSN Beska

No.	Description	UOM	Unit Price	Remarks
92	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_PSN Beska	PCS	46.58	PSN Beska
93	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall.BOSCH IUI-SIR-ID or equivalent_PSN Beska	PCS	74.15	PSN Beska
94	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_PSN Beska	PCS	133.08	PSN Beska
95	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_PSN Beska	PCS	24.72	PSN Beska
96	Keyboard, 14cm touchscreen LCD. BOSCH IUI-MAP0001-2 or equivalent_PSN Beska	PCS	326.06	PSN Beska
97	Installation cable type: JH (St) H 3x2x0.8_PSN Beska	M	0.7	PSN Beska
98	Small and other unspecified materials and works_PSN Beska	PCS	190.12	PSN Beska
99	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_PS Sremski Karlovci	PCS	270.92	PS Sremski Karlovci
100	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_PS Sremski Karlovci	PCS	475.3	PS Sremski Karlovci
101	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent._PS Sremski Karlovci	PCS	174.91	PS Sremski Karlovci
102	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_PS Sremski Karlovci	PCS	152.1	PS Sremski Karlovci
103	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power. BOSCH IPP-MAP0005-2 or equivalent._PS Sremski Karlovci	PCS	286.13	PS Sremski Karlovci
104	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_PS Sremski Karlovci	PCS	127.38	PS Sremski Karlovci
105	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_PS Sremski Karlovci	PCS	34.22	PS Sremski Karlovci
106	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_PS Sremski Karlovci	PCS	46.58	PS Sremski Karlovci
107	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall BOSCH IUI-SIR-ID or equivalent_PS Sremski Karlovci	PCS	74.15	PS Sremski Karlovci
108	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_PS Sremski Karlovci	PCS	133.08	PS Sremski Karlovci
109	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_PS Sremski Karlovci	PCS	24.72	PS Sremski Karlovci
110	Keyboard, 14cm touchscreen LCD.BOSCH IUI-MAP0001-2 or equivalent_PS Sremski Karlovci	PCS	326.06	PS Sremski Karlovci
111	Installation cable type: JH (St) H 3x2x0.8_PS Sremski Karlovci	M	0.7	PS Sremski Karlovci
112	Small and other unspecified materials and works_PS Sremski Karlovci	PCS	190.12	PS Sremski Karlovci
113	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_OGF Indjija pustara	PCS	270.92	OGF Indjija pustara
114	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_OGF Indjija pustara	PCS	475.3	OGF Indjija pustara
115	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA. BOSCH ICP-MAP0010 or equivalent._OGF Indjija pustara	PCS	174.91	OGF Indjija pustara

No.	Description	UOM	Unit Price	Remarks
116	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports. BOSCH ICP-MAP0007-2 or equivalent_OGF Indjija pustara	PCS	152.1	OGF Indjija pustara
117	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC.BOSCH IPP-MAP0005-2 or equivalent._OGF Indjija pustara	PCS	286.13	OGF Indjija pustara
118	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_OGF Indjija pustara	PCS	127.38	OGF Indjija pustara
119	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_OGF Indjija pustara	PCS	34.22	OGF Indjija pustara
120	Conventional glass breakage detector complete with addressable loop connection element. BOSCH DS1108I and ISP-EM55SM-120 or equivalent_OGF Indjija pustara	PCS	46.58	OGF Indjija pustara
121	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_OGF Indjija pustara	PCS	133.08	OGF Indjija pustara
122	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_OGF Indjija pustara	PCS	24.72	OGF Indjija pustara
123	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels).BOSCH IUI-MAP0001-2 or equivalent_OGF Indjija pustara	PCS	326.06	OGF Indjija pustara
124	Installation cable type: JH (St) H 3x2x0.8_OGF Indjija pustara	M	0.7	OGF Indjija pustara
125	Small and other unspecified materials and works_OGF Indjija pustara	PCS	190.12	OGF Indjija pustara
126	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or equivalent_OGF BTS	PCS	270.92	OGF BTS
127	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_OGF BTS	PCS	475.3	OGF BTS
128	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent._OGF BTS	PCS	174.91	OGF BTS
129	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_OGF BTS	PCS	152.1	OGF BTS
130	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power.BOSCH IPP-MAP0005-2 or equivalent._OGF BTS	PCS	286.13	OGF BTS
131	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_OGF BTS	PCS	127.38	OGF BTS
132	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_OGF BTS	PCS	34.22	OGF BTS
133	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_OGF BTS	PCS	46.58	OGF BTS
134	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening; Charging regulation voltage 13.8 VDC; Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_OGF BTS	PCS	133.08	OGF BTS
135	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_OGF BTS	PCS	24.72	OGF BTS
136	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface (16B vivid color with 320 x 240 pixels).BOSCH IUI-MAP0001-2 or equivalent_OGF BTS	PCS	326.06	OGF BTS
137	Installation cable type: JH (St) H 3x2x0.8_OGF BTS	M	0.7	OGF BTS
138	Small and other unspecified materials and works_OGF BTS	PCS	190.12	OGF BTS
139	Complete housing. Suitable for main panel (switchboard), DE module, power supply, 2 x 40 Ah batteries and 4 x LSN gateway. Contains mounting plates. BOSCH ICP-MAP0111 or	PCS	270.92	Power plants

No.	Description	UOM	Unit Price	Remarks
	equivalent_Power plants			
140	The main panel supports up to 1500 addresses, 500 areas and 1000 users.BOSCH ICP-MAP5000-2 or equivalent_Power plants	PCS	475.3	Power plants
141	The gateway module supports up to 127 devices with a maximum loop current of up to 300mA.BOSCH ICP-MAP0010 or equivalent._Power plants	PCS	174.91	Power plants
142	Communicator connection module. Supports printer connection. Provides two RS-232 COM ports.BOSCH ICP-MAP0007-2 or equivalent_Power plants	PCS	152.1	Power plants
143	Power supply 150W. It provides two independent power outputs with a fixed 28 VDC. Provides 150W for battery charging and system power.BOSCH IPP-MAP0005-2 or equivalent._Power plants	PCS	286.13	Power plants
144	Battery 12V 42Ah BOSCH IPS-BAT12V-45AH or equivalent_Power plants	PCS	127.38	Power plants
145	Sensor with PIR and microwave detection. The alarm is detected by processing both signals, masking protection function. Mounting height and coverage area adjustment BOSCH ISP-PDL1-WA18G or equivalent_Power plants	PCS	34.22	Power plants
146	Conventional glass breakage detector complete with addressable loop connection element.BOSCH DS1108I and ISP-EM55SM-120 or equivalent_Power plants	PCS	46.58	Power plants
147	Indoor siren. Rated power of 117 dBA. This siren is protected from unauthorized opening of the lid and from removing the base from the wall.BOSCH IUI-SIR-ID or equivalent_Power plants	PCS	74.15	Power plants
148	Outdoor siren. 1.5 mm thick steel housing protected by tamper from unauthorized opening.Noise level of 117 dBA BOSCH IUI-SIR-OD or equivalent_Power plants	PCS	133.08	Power plants
149	12V 2.2Ah battery for additional power supply to the external siren. BOSCH D1222 or equivalent_Power plants	PCS	24.72	Power plants
150	Keyboard, 14cm touchscreen LCD. The touch screen provides a durable graphical interface.BOSCH IUI-MAP0001-2 or equivalent_Power plants	PCS	326.06	Power plants
151	Installation cable type: JH (St) H 3x2x0.8_Power plants	M	0.7	Power plants
152	Small and other unspecified materials and works_Power plants	PCS	190.12	Power plants

Audio visual information system

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	System configuration, issuance of certificates and commissioning _Whole line	PCS	68600	P1	Whole line
2	User training_Whole line	PCS	4704	P1	Whole line
3	Design and preparation of documentation_Whole line	PCS	6272	P1	Whole line
4	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)_Indjija	PCS	4900	P0	Indjija
5	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)_Beska	PCS	4900	P0	Beska
6	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)_Karlovci	PCS	4900	P0	Karlovci
7	Procurement and delivery of AVIS software package extensions (compatible with the planned video management system in the central station - owned by IZS)_Petrovaradin	PCS	4900	P0	Petrovaradin

ALARM and TECHNICAL TELEPHONE SYSTEM

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0

No.	Description	UOM	Unit Price	Payment Terms	Remarks
1	Server system (hardware and software). Supports a minimum of 12 ports (alarm phones and operator terminals)_Alarm Telephone	PCS	7851.01	P0	Alarm Telephone
2	IP operator terminal (control panel). Equipped with color display with integrated WEB interface; alphanumeric keypad with function keys and a minimum of 12 direct dial keys with three-color LEDs, microphone and speaker._Alarm Telephone	PCS	3944.99	P0	Alarm Telephone
3	IP alarm telephone (intercom terminal) intended for installation in tunnels (with the appropriate inscription)_Alarm Telephone	PCS	2240.56	P0	Alarm Telephone
4	Column for placing the intercom terminal outside the tunnel pipes made of cold-rolled steel; resistant to all weather conditions; with door and lock for easy access to electronics in the pole_Alarm Telephone	PCS	444.88	P0	Alarm Telephone
5	Magnetic contact for door openness monitoring complete with permanent magnet_Alarm Telephone	PCS	62.74	P0	Alarm Telephone
6	Installation cable type:A-2Y (L) 2Y 2x2x0.8mm²_Alarm Telephone	M	0.52	P0	Alarm Telephone
7	Installation cable type:JH (St) H 2x2x0,8mm², at least in accordance with B2ca s1a a1 according to TSI SRT_Alarm Telephone	M	1.64	P0	Alarm Telephone
8	Small and other unspecified materials and works_Alarm Telephone	SET	380.24	P0	Alarm Telephone
9	Commissioning of all equipment (basic functionality with check of all points of the network)_Alarm Telephone	SET	2450	P1	Alarm Telephone
10	Integration of equipment (basic functionality with check of all points of the network) and testing for the Owner /Investor's basic acceptance_Alarm Telephone	SET	2254	P1	Alarm Telephone
11	Global acceptance and verification_Alarm Telephone	SET	0	P1	Alarm Telephone
12	User training_Alarm Telephone	SET	0	P1	Alarm Telephone
13	Designing and preparation of documentation_Alarm Telephone	SET	0	P1	Alarm Telephone
14	Server system (hardware and software). Supports a minimum of 12 ports (alarm phones and operator terminals)_Technical Telephone	PCS	7851.01	P0	Technical Telephone
15	IP operator terminal (control panel). Equipped with color display with integrated WEB interface_Technical Telephone	PCS	3944.99	P0	Technical Telephone
16	IP telephone (intercom terminal) intended for installation in tunnels (with adequate inscription)_Technical Telephone	PCS	2240.56	P0	Technical Telephone
17	Column for placing the intercom terminal outside the tunnel pipes made of cold-rolled steel; resistant to all weather conditions_Technical Telephone	PCS	541.84	P0	Technical Telephone
18	Small and other unspecified materials and works_Technical Telephone	SET	285.18	P0	Technical Telephone

No.	Description	UOM	Unit Price	Payment Terms	Remarks
19	Commissioning of all equipment (basic functionality with check of all points of the network)_Technical Telephone	SET	3430	P1	Technical Telephone
20	Integration of equipment (basic functionality with check of all points of the network) and testing for the Owner /Investor's basic acceptance_Technical Telephone	SET	2940	P1	Technical Telephone
21	Global acceptance and verification_Technical Telephone	SET	0	P1	Technical Telephone
22	User training_Technical Telephone	SET	0	P1	Technical Telephone
23	Designing and preparation of documentation_Technical Telephone	SET	0	P1	Technical Telephone

3

ACCESS CONTROL SYSTEM

BOQ Header:

Huawei Contract Entity	Huawei Technologies doo Beograd
Contract Currency	USD
Payment Currency	RSD
Exchange Rate Type	Floading Rate
Exchange Rate	Invoicing Date Rate published by

BOQ Lines:

The Following Items Apply to Bidding area B0, and Payment terms P0

No.	Description	UOM	Unit Price	Remarks
1	Controller housing box with two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Indjija	PCS	139.74	Indjija
2	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs BOSCH APC-AMC2-4WCF or equivalent_Indjija	PCS	822.27	Indjija
3	External power supply with built - in UPS BOSCH APS-PBC-60 or equivalent_Indjija	PCS	193.92	Indjija
4	Battery for additional power supply 12 V / 7.2 Ah_Indjija	PCS	24.72	Indjija
5	Compact Wiegand Mifare / iClass reader with audible signal and colorful LED display.(BOSCH ARD-AYBS6260 or equivalent)_Indjija	PCS	96.96	Indjija
6	Button "exit request" "with key symbol (wall mounting)BOSCH 4710760047 or equivalent "_Indjija	PCS	50.38	Indjija
7	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Indjija	PCS	39.93	Indjija
8	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Indjija	PCS	96.01	Indjija
9	Installation cable type:JH (St) H 2x2x0.8_Indjija	M	0.5	Indjija
10	Installation cable type:JH (St) H 5x2x0.8_Indjija	M	1.08	Indjija
11	Small and other unspecified materials and works_Indjija	SET	285.18	Indjija
12	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Beska	PCS	139.74	Beska
13	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs;BOSCH APC-AMC2-4WCF or equivalent_Beska	PCS	822.27	Beska
14	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_Beska	PCS	193.92	Beska
15	Battery for additional power supply 12 V / 7.2 Ah_Beska	PCS	24.72	Beska
16	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display (BOSCH ARD-AYBS6260 or equivalent)_Beska	PCS	96.96	Beska
17	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_Beska	PCS	50.38	Beska
18	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Beska	PCS	39.93	Beska
19	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Beska	PCS	96.01	Beska
20	Installation cable type:JH (St) H 2x2x0.8 _Beska	M	0.5	Beska
21	Installation cable type:JH (St) H 5x2x0.8_Beska	M	1.08	Beska
22	Small and other unspecified materials and works_Beska	SET	285.18	Beska
23	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Karlovci	PCS	139.74	Karlovci
24	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs. BOSCH APC-AMC2-4WCF or equivalent_Karlovci	PCS	822.27	Karlovci
25	External power supply with built-in UPS BOSCH APS-PBC-60	PCS	193.92	Karlovci

No.	Description	UOM	Unit Price	Remarks
	or equivalent_Karlovci			
26	Battery for additional power supply 12 V / 7.2 Ah_Karlovci	PCS	24.72	Karlovci
27	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display (BOSCH ARD-AYBS6260 or equivalent)_Karlovci	PCS	96.96	Karlovci
28	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_Karlovci	PCS	50.38	Karlovci
29	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Karlovci	PCS	39.93	Karlovci
30	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Karlovci	PCS	96.01	Karlovci
31	Installation cable type:JH (St) H 2x2x0.8 _Karlovci	M	0.5	Karlovci
32	Installation cable type:JH (St) H 5x2x0.8_Karlovci	M	1.08	Karlovci
33	Small and other unspecified materials and works_Karlovci	SET	285.18	Karlovci
34	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Petrovaradin	PCS	139.74	Petrovaradin
35	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs BOSCH APC-AMC2-4WCF or equivalent_Petrovaradin	PCS	822.27	Petrovaradin
36	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_Petrovaradin	PCS	193.92	Petrovaradin
37	Battery for additional power supply 12 V / 7.2 Ah_Petrovaradin	PCS	24.72	Petrovaradin
38	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. (BOSCH ARD-AYBS6260 or equivalent)_Petrovaradin	PCS	96.96	Petrovaradin
39	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_Petrovaradin	PCS	50.38	Petrovaradin
40	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Petrovaradin	PCS	39.93	Petrovaradin
41	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Petrovaradin	PCS	96.01	Petrovaradin
42	Installation cable type:JH (St) H 2x2x0.8 _Petrovaradin	M	0.5	Petrovaradin
43	Installation cable type:JH (St) H 5x2x0.8_Petrovaradin	M	1.08	Petrovaradin
44	Small and other unspecified materials and works_Petrovaradin	SET	285.18	Petrovaradin
45	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Karlovac vineyards	PCS	139.74	Karlovac vineyards
46	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs.BOSCH APC-AMC2-4WCF or equivalent_Karlovac vineyards	PCS	822.27	Karlovac vineyards
47	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_Karlovac vineyards	PCS	193.92	Karlovac vineyards
48	Battery for additional power supply 12 V / 7.2 Ah_Karlovac vineyards	PCS	24.72	Karlovac vineyards
49	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display_Karlovac vineyards	PCS	96.96	Karlovac vineyards
50	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_Karlovac vineyards	PCS	50.38	Karlovac vineyards
51	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Karlovac vineyards	PCS	39.93	Karlovac vineyards
52	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Karlovac vineyards	PCS	96.01	Karlovac vineyards
53	Installation cable type:JH (St) H 2x2x0.8 _Karlovac vineyards	M	0.5	Karlovac vineyards
54	Installation cable type:JH (St) H 5x2x0.8_Karlovac vineyards	M	1.08	Karlovac vineyards
55	Small and other unspecified materials and works_Karlovac vineyards	SET	285.18	Karlovac vineyards
56	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_EVP Indjija	PCS	139.74	EVP Indjija
57	4 Wiegand controller with CF card. Smart access control for 1	PCS	822.27	EVP Indjija

No.	Description	UOM	Unit Price	Remarks
	to 4 inputs. BOSCH APC-AMC2-4WCF or equivalent_EVP Indjija			
58	Expansion unit with 8 additional inputs and 8 outputs. Intelligent access control for one to eight inputs. Four interfaces including reader power supply. LCD display for displaying information. BOSCH API-AMC2-16ION or equivalent_EVP Indjija	PCS	658.77	EVP Indjija
59	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_EVP Indjija	PCS	193.92	EVP Indjija
60	Battery for additional power supply 12 V / 7.2 Ah_EVP Indjija	PCS	24.72	EVP Indjija
61	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display (BOSCH ARD-AYBS6260 or equivalent)_EVP Indjija	PCS	96.96	EVP Indjija
62	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_EVP Indjija	PCS	50.38	EVP Indjija
63	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_EVP Indjija	PCS	39.93	EVP Indjija
64	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_EVP Indjija	PCS	96.01	EVP Indjija
65	Installation cable type:JH (St) H 2x2x0.8 _EVP Indjija	M	0.5	EVP Indjija
66	Installation cable type:JH (St) H 5x2x0.8_EVP Indjija	M	1.08	EVP Indjija
67	Small and other unspecified materials and works_EVP Indjija	SET	285.18	EVP Indjija
68	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_PSN Beska	PCS	139.74	PSN Beska
69	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs. BOSCH APC-AMC2-4WCF or equivalent_PSN Beska	PCS	822.27	PSN Beska
70	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_PSN Beska	PCS	193.92	PSN Beska
71	Battery for additional power supply 12 V / 7.2 Ah_PSN Beska	PCS	24.72	PSN Beska
72	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display.IP55 degree of protection (BOSCH ARD-AYBS6260 or equivalent)_PSN Beska	PCS	96.96	PSN Beska
73	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_PSN Beska	PCS	50.38	PSN Beska
74	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_PSN Beska	PCS	39.93	PSN Beska
75	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_PSN Beska	PCS	96.01	PSN Beska
76	Installation cable type:JH (St) H 2x2x0.8 _PSN Beska	M	0.5	PSN Beska
77	Installation cable type:JH (St) H 5x2x0.8_PSN Beska	M	1.08	PSN Beska
78	Small and other unspecified materials and works_PSN Beska	SET	285.18	PSN Beska
79	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_PS Sremski Karlovci	PCS	139.74	PS Sremski Karlovci
80	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs. BOSCH APC-AMC2-4WCF or equivalent_PS Sremski Karlovci	PCS	822.27	PS Sremski Karlovci
81	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_PS Sremski Karlovci	PCS	193.92	PS Sremski Karlovci
82	Battery for additional power supply 12 V / 7.2 Ah_PS Sremski Karlovci	PCS	24.72	PS Sremski Karlovci
83	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display (BOSCH ARD-AYBS6260 or equivalent)_PS Sremski Karlovci	PCS	96.96	PS Sremski Karlovci
84	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_PS Sremski Karlovci	PCS	50.38	PS Sremski Karlovci
85	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_PS Sremski Karlovci	PCS	39.93	PS Sremski Karlovci
86	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_PS Sremski Karlovci	PCS	96.01	PS Sremski Karlovci

No.	Description	UOM	Unit Price	Remarks
87	Installation cable type:JH (St) H 2x2x0.8 _PS Sremski Karlovci	M	0.5	PS Sremski Karlovci
88	Installation cable type:JH (St) H 5x2x0.8_PS Sremski Karlovci	M	1.08	PS Sremski Karlovci
89	Small and other unspecified materials and works_PS Sremski Karlovci	SET	285.18	PS Sremski Karlovci
90	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_OGF Indjija pustara	PCS	139.74	OGF Indjija pustara
91	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs.BOSCH APC-AMC2-4WCF or equivalent_OGF Indjija pustara	PCS	822.27	OGF Indjija pustara
92	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_OGF Indjija pustara	PCS	193.92	OGF Indjija pustara
93	Battery for additional power supply 12 V / 7.2 Ah_OGF Indjija pustara	PCS	24.72	OGF Indjija pustara
94	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display_OGF Indjija pustara	PCS	96.96	OGF Indjija pustara
95	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_OGF Indjija pustara	PCS	50.38	OGF Indjija pustara
96	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_OGF Indjija pustara	PCS	39.93	OGF Indjija pustara
97	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_OGF Indjija pustara	PCS	96.01	OGF Indjija pustara
98	Installation cable type:JH (St) H 2x2x0.8 _OGF Indjija pustara	M	0.5	OGF Indjija pustara
99	Installation cable type:JH (St) H 5x2x0.8_OGF Indjija pustara	M	1.08	OGF Indjija pustara
100	Small and other unspecified materials and works_OGF Indjija pustara	SET	285.18	OGF Indjija pustara
101	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Tunnel	PCS	139.74	Tunnel
102	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs. BOSCH APC-AMC2-4WCF or equivalent_Tunnel	PCS	822.27	Tunnel
103	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_Tunnel	PCS	193.92	Tunnel
104	Battery for additional power supply 12 V / 7.2 Ah_Tunnel	PCS	24.72	Tunnel
105	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. (BOSCH ARD-AYBS6260 or equivalent)_Tunnel	PCS	96.96	Tunnel
106	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_Tunnel	PCS	50.38	Tunnel
107	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Tunnel	PCS	39.93	Tunnel
108	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Tunnel	PCS	96.01	Tunnel
109	Installation cable type:JH (St) H 2x2x0.8 _Tunnel	M	1.73	Tunnel
110	Installation cable type:JH (St) H 5x2x0.8_Tunnel	M	1.93	Tunnel
111	Small and other unspecified materials and works_Tunnel	SET	285.18	Tunnel
112	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_OGF BTS	PCS	142.59	OGF BTS
113	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs/ BOSCH APC-AMC2-4WCF or equivalent_OGF BTS	PCS	839.05	OGF BTS
114	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_OGF BTS	PCS	197.88	OGF BTS
115	Battery for additional power supply 12 V / 7.2 Ah_OGF BTS	PCS	25.22	OGF BTS
116	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. (BOSCH ARD-AYBS6260 or equivalent)_OGF BTS	PCS	98.94	OGF BTS
117	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_OGF BTS	PCS	51.41	OGF BTS
118	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_OGF BTS	PCS	40.74	OGF BTS
119	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_OGF BTS	PCS	97.97	OGF BTS

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No.	Description	UOM	Unit Price	Remarks
120	Installation cable type:JH (St) H 2x2x0.8 _OGF BTS	M	0.51	OGF BTS
121	Installation cable type:JH (St) H 5x2x0.8_OGF BTS	M	1.1	OGF BTS
122	Small and other unspecified materials and works_OGF BTS	SET	291	OGF BTS
123	Control box housing for two DIN rails (BOSCH AEC-AMC2-UL2 or equivalent)_Power plants	PCS	139.74	Power plants
124	4 Wiegand controller with CF card. Smart access control for 1 to 4 inputs. BOSCH APC-AMC2-4WCF or equivalent_Power plants	PCS	822.27	Power plants
125	External power supply with built-in UPS BOSCH APS-PBC-60 or equivalent_Power plants	PCS	193.92	Power plants
126	Battery for additional power supply 12 V / 7.2 Ah_Power plants	PCS	24.72	Power plants
127	Compact Wiegand Mifare / iClass reader with sound signal and colorful LED display. (BOSCH ARD-AYBS6260 or equivalent)_Power plants	PCS	96.96	Power plants
128	"Exit request" button with key symbol (wall-mounted) BOSCH 4710760047 or equivalent_Power plants	PCS	50.38	Power plants
129	"EMERGENCY EXIT" emergency release button complete with junction box equipped with terminal block for parallel separation of halogen-free installation CQR FP2 / GR / EDR or equivalent_Power plants	PCS	39.93	Power plants
130	Electromagnetic door holder, 12 / 24Vdc, maximum load 300kg. With door status indicator_Power plants	PCS	96.01	Power plants
131	Installation cable type:JH (St) H 2x2x0.8 _Power plants	M	0.5	Power plants
132	Installation cable type:JH (St) H 5x2x0.8_Power plants	M	1.08	Power plants
133	Small and other unspecified materials and works_Power plants	SET	285.18	Power plants